

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

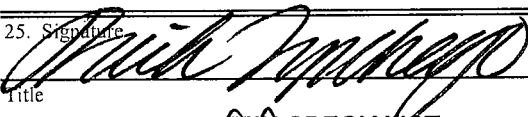

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-01193</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3a. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>NBU 921-14D</b>
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43-047-39247</b>
4. Location of Well (Report location clearly and in accordance with any State requirements*) At surface <b>NW/NW 465'FNL, 542'FWL 625765X 40.04 2.094</b> At proposed prod. Zone <b>4433260Y -109.525811</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
14. Distance in miles and direction from nearest town or post office* <b>30.7 +/- MILES FROM OURAY, UTAH</b>		11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 14, T9S, R21E</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>465'</b>	16. No. of Acres in lease <b>1920.00</b>	12. County or Parish <b>UINTAH</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>10,080'</b>	13. State <b>UTAH</b>
20. BLM/BIA Bond No. on file <b>RLB0005239</b>	17. Spacing Unit dedicated to this well <b>40.00</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4746'GL</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	23. Estimated duration <b>TO BE DETERMINED</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-26-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

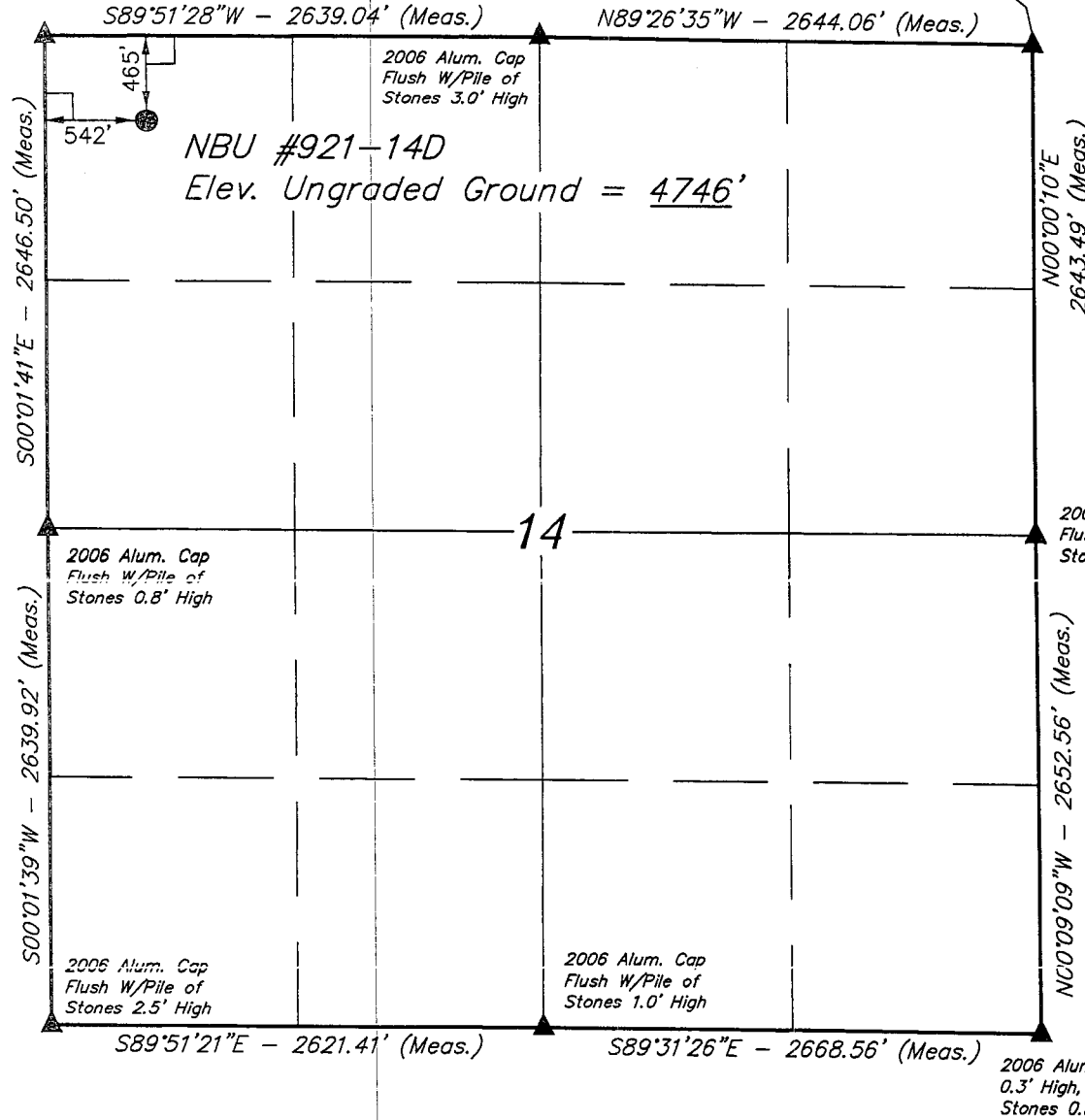
Federal Approval of this  
Action Is Necessary \*

RECEIVED  
APR 23 2007  
DIV. OF OIL, GAS & MINING

T9S, R21E, S.L.B.&M.

2006 Alum. Cap  
Flush W/Pile of  
Stones 2.0' High

2006 Alum. Cap  
0.6' High



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 40°02'31.45" (40.042069)  
 LONGITUDE = 109°31'35.46" (109.526517)  
 (NAD 27)  
 LATITUDE = 40°02'31.53" (40.042092)  
 LONGITUDE = 109°31'33.24" (109.525900)

Kerr-McGee Oil & Gas Onshore LP

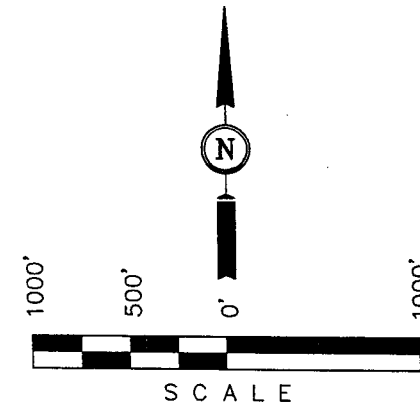
Well location, NBU #921-14D, located as shown in the NW 1/4 NW 1/4 of Section 14, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

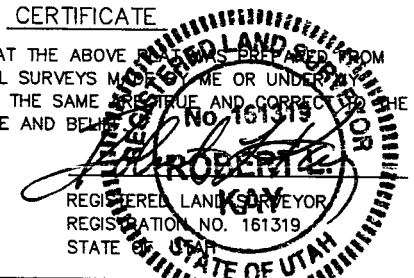
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-26-07	DATE DRAWN: 01-29-07
PARTY L.K. J.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 921-14D  
NW/NW Sec. 14, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-01193**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1661'
Top of Birds Nest Water	2008'
Mahogany	2382'
Wasatch	5063'
Mesaverde	7896'
MVU2	8856'
MVL1	9414'
TD	10,080'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1661'
	Top of Birds Nest Water	2008'
	Mahogany	2382'
Gas	Wasatch	5063'
Gas	Mesaverde	7896'
Gas	MVU2	8856'
Gas	MVL1	9414'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

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**4. Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,080' TD, approximately equals 6250 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4032 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

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# KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE April 18, 2007  
WELL NAME NBU 921-14D TD 10,080' MD/TVD  
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,745' GL KB 4,760'  
SURFACE LOCATION NW/NW SEC. 14, T9S, R21E 46S FNL, 542' FWL BHL Straight Hole  
Latitude: 40.042069 Longitude: 109.526517  
OBJECTIVE ZONE(S) Wasatch/Mesaverde  
ADDITIONAL INFO Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 36# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,063'					
	Green River @	1,661'			
	Top of Birds Nest Water @	2,008'			
	Mahogany @	2,382'			
	Preset f/ GL @				
	2,600' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Wasatch @	5,063'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
	Mverde @	7,896'			
	MVU2 @	8,856'			
	MVL1 @	9,414'			
	TD @	10,080'			Max anticipated Mud required 11.8 ppg



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT	GR	CPLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2200	32.30	H-40	STC	0.57*****	1.33	3.45
						3520	2020	564000
	9-5/8"	2200 to 2600	36.00	J-55	STC	1.13*****	1.66	7.67
PRODUCTION						7780	6350	201000
	4-1/2"	0 to 10080	11.60	I-80	LTC	1.96	1.03	1.97

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))  
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
(Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore  
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
MASP 3967 psi  
\*\*\*\*\* Burst SF is low but csg is stronger than formation at 2600 feet  
\*\*\*\*\* EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

## CEMENT PROGRAM

		FT OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Prem um cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Prem um cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>				
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Prem um cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Prem um cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,560'	Premium Li e II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,520'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	60%	14.30	1.31

\*Substitute caliper hole volume plus 3% excess for LEAD if accurate caliper is obtained  
\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

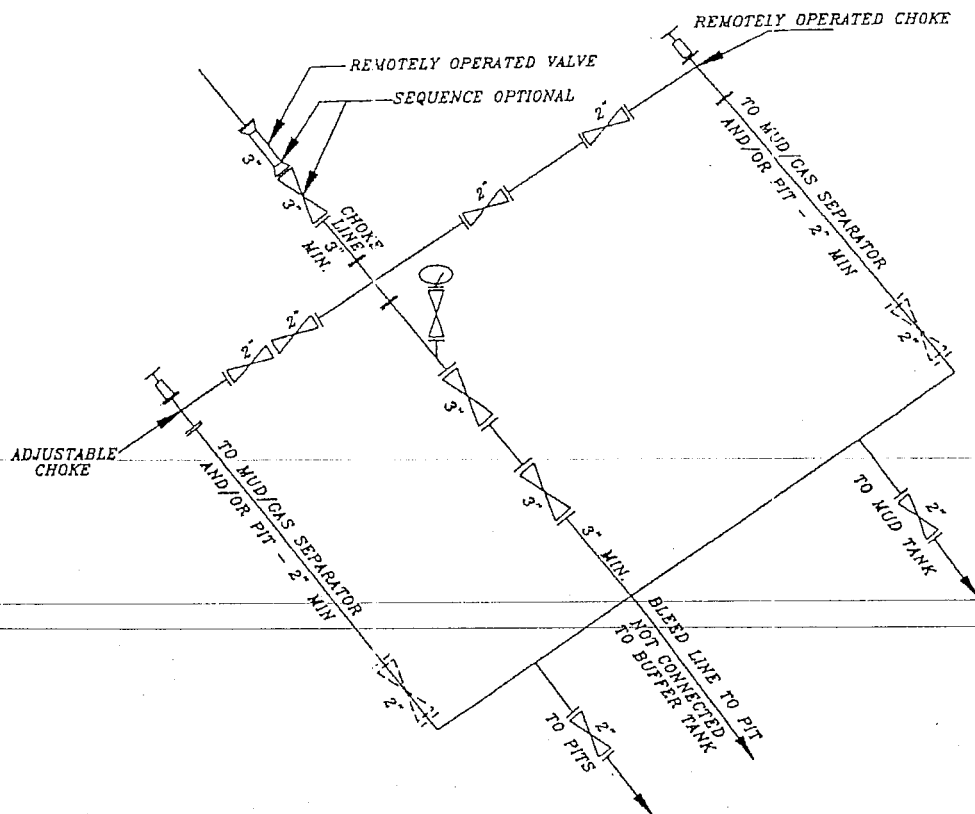
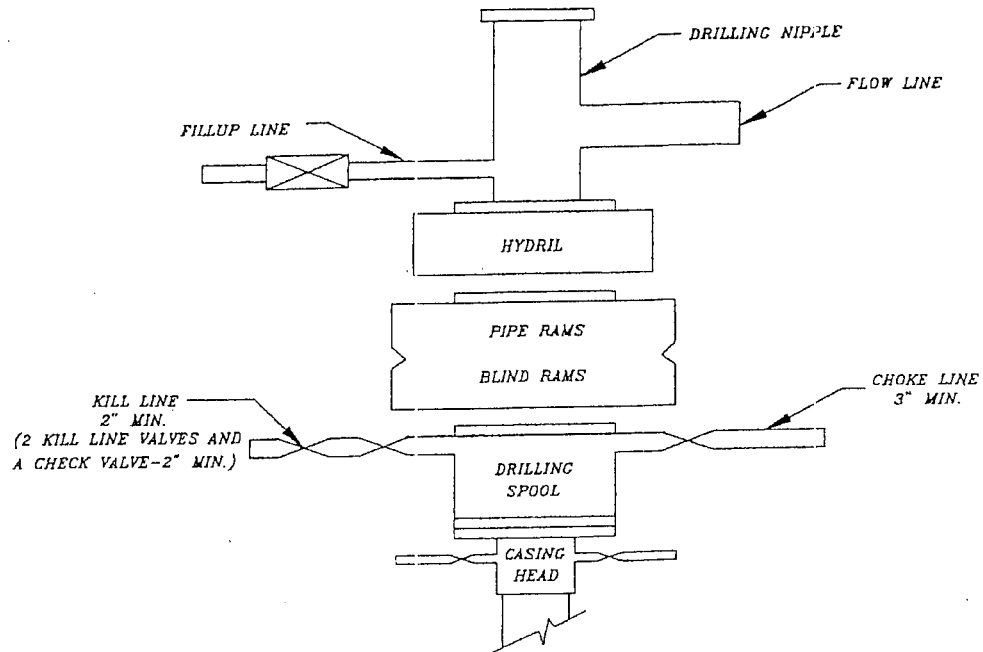
## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.  
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney  
DRILLING SUPERINTENDENT: \_\_\_\_\_  
Randy Bayne

DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_

## 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-14D  
NW/NW SEC. 14, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-01193

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 0.2 +/- miles of new access road. Please refer to the attached Topo Map B.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Approximately 2211' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**5. Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

**6. Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

**7. Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (Request is in lieu of filing Form 3160-5, after initial production).



**8. Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

**10. Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

**11. Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435) 722-5141

**12. Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

**13. Lessee's or Operator's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

4/18/2007  
Date

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 52.5 MILES.

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# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.

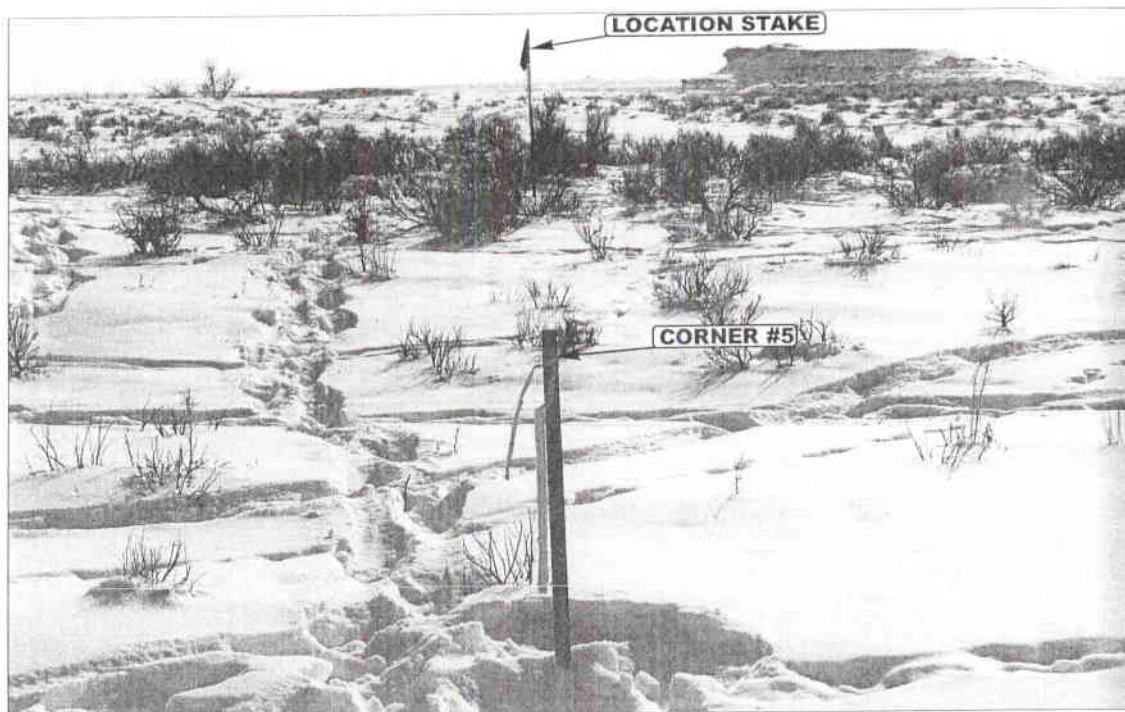


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

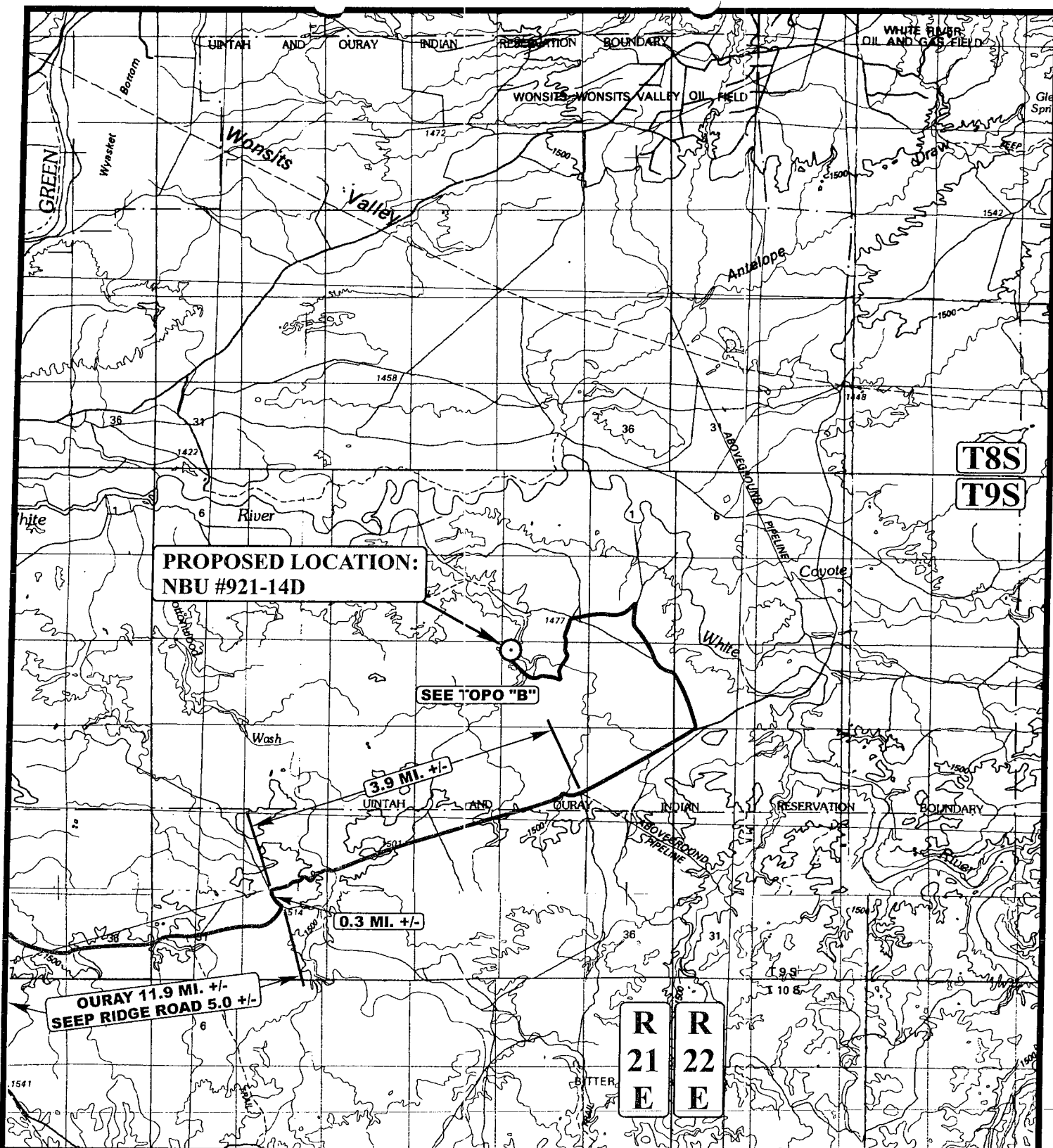
01 30 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



# LEGEND:

○ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

465' FNL 542' FWL



U.S. Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

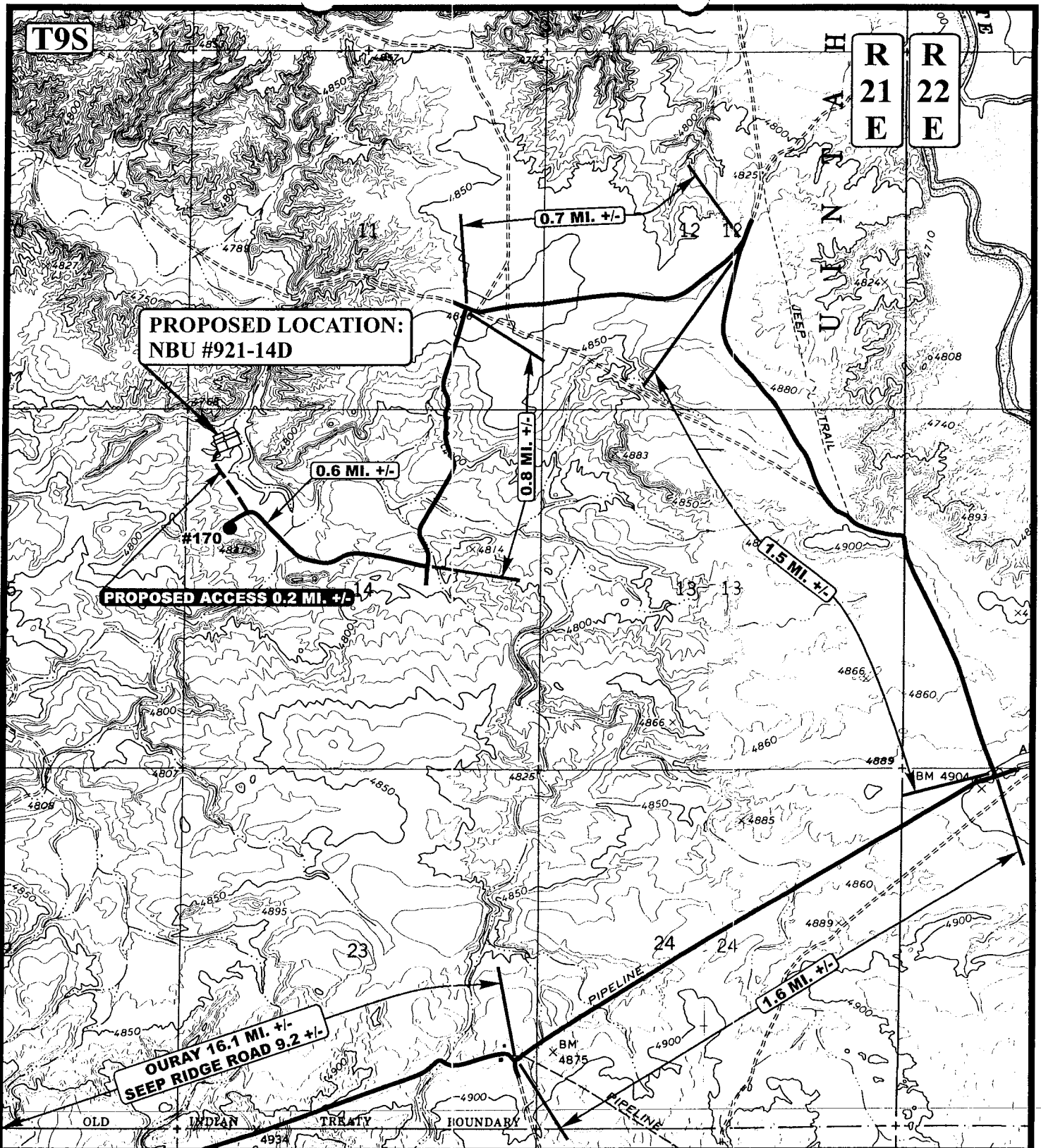
TOPOGRAPHIC  
MAP

01 30 07  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00







# LEGEND:

EXISTING ROAD  
 PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

465' FNL 542' FWL



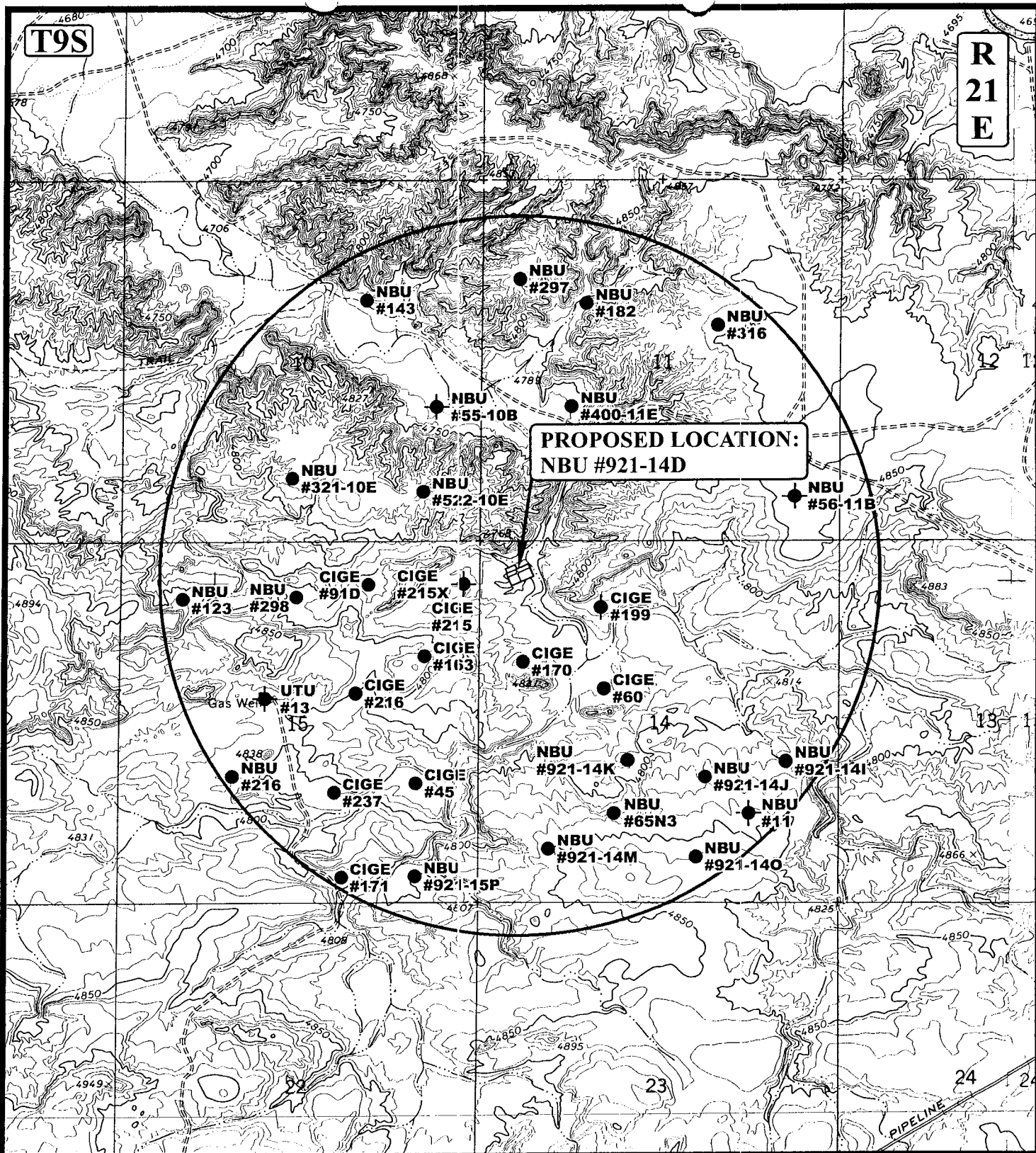
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**01 30 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





# **LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**Kerr-McGee Oil & Gas Onshore LP**

**NBU #921-14D**

**SECTION 14, T9S, R21E, S.L.B.&M.**

**465' FNL 542' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

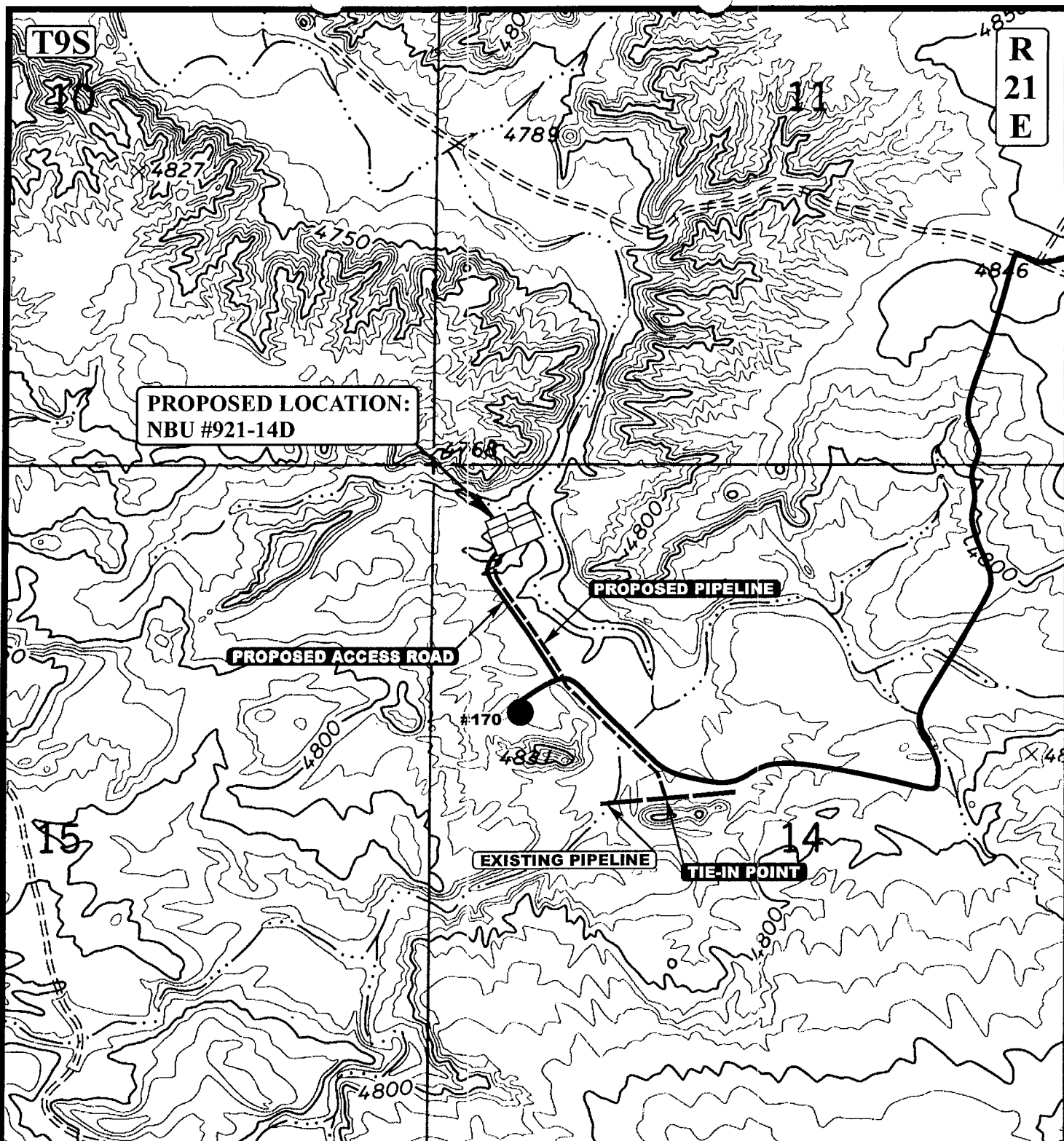


**TOPOGRAPHIC**  
**MAP**

**01 30 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 2,211' +/-

# **LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

**Kerr-McGee Oil & Gas Onshore LP**

**NBU #921-14D**

**SECTION 14, T9S, R21E, S.L.B.&M.**

**465' FNL 542' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

<b>01</b>	<b>30</b>	<b>07</b>
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00





# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.

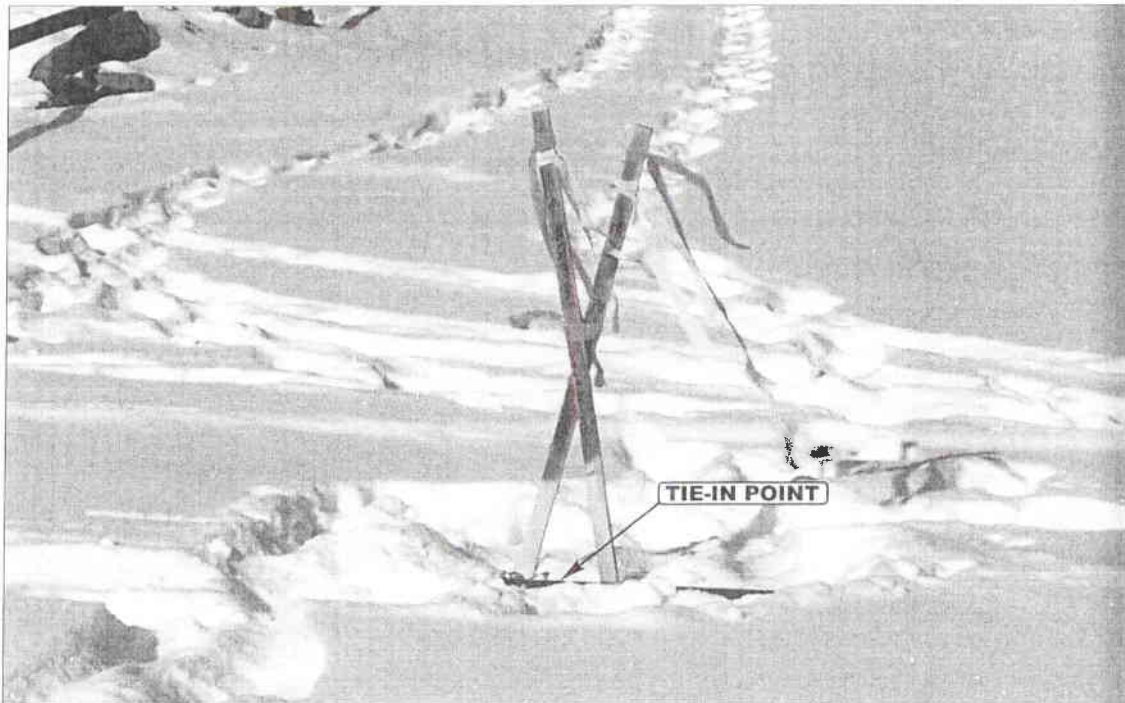


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY

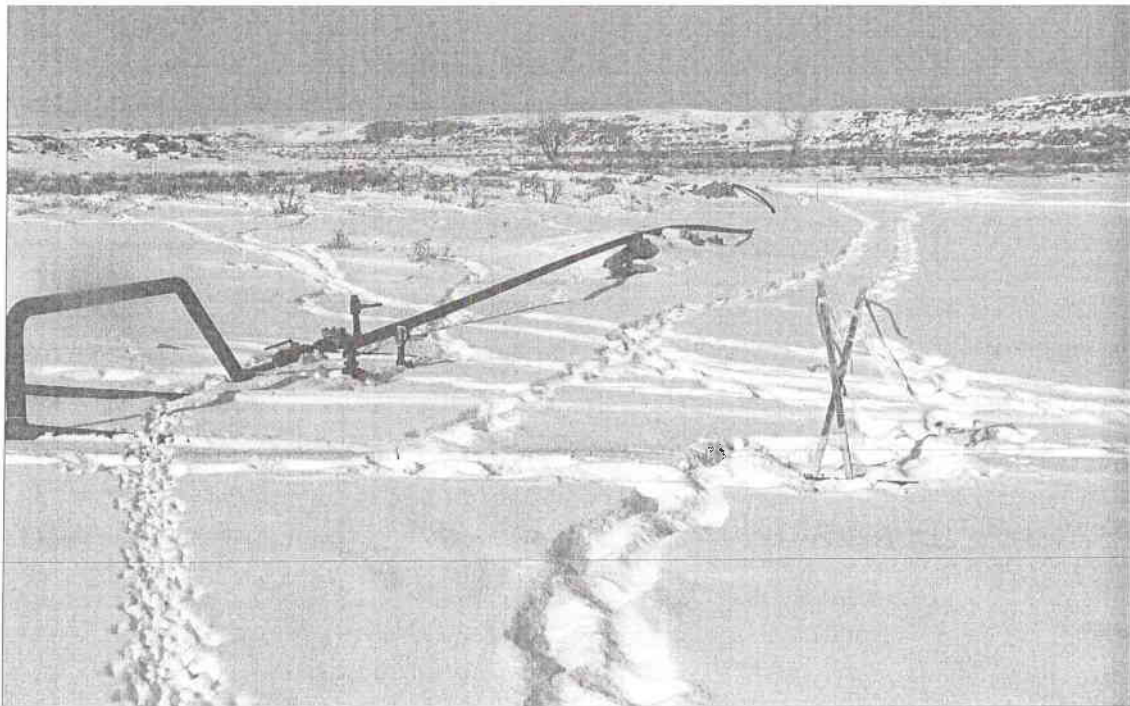


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

01 30 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. | DRAWN BY: C.P. | REVISED: 00-00-00

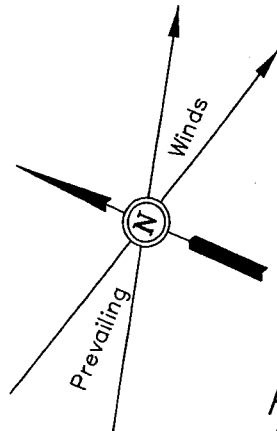
# Kerr-McGee Oil & Gas Onshore LP

## LOCATION LAYOUT FOR

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

465' FNL 542' FWL



SCALE: 1" = 50'  
DATE: 01-29-07  
Drawn By: C.H.

Approx.  
Toe of  
Fill Slope

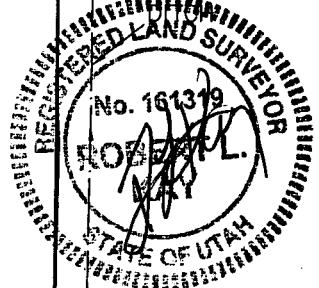
F-0.9'  
El. 43.6'

Sta. 3+50

F-2.9'  
El. 41.6'

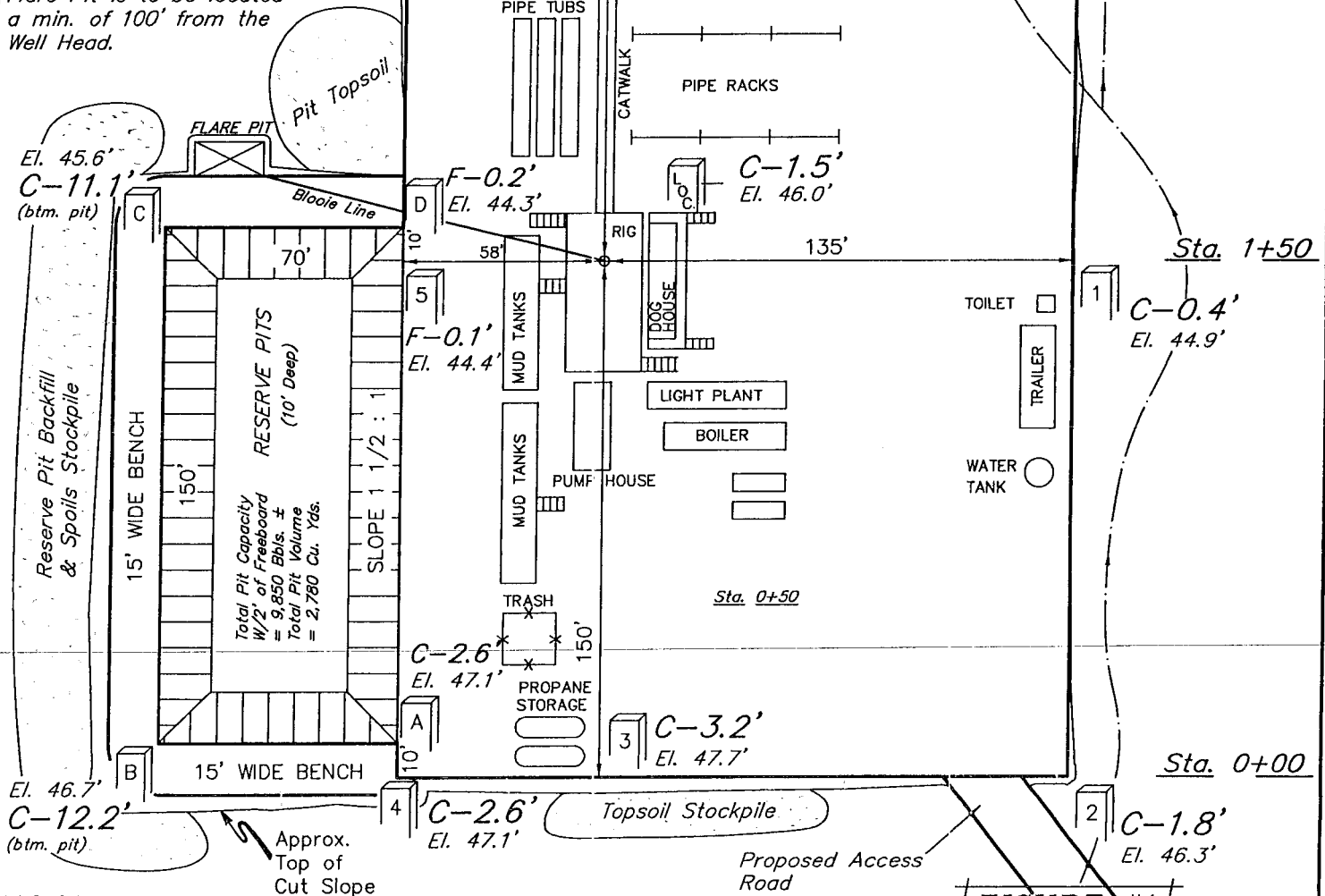
F-2.2'  
El. 42.3'

CONSTRUCT  
DIVERSION



### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4746.0'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4744.5'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1917

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

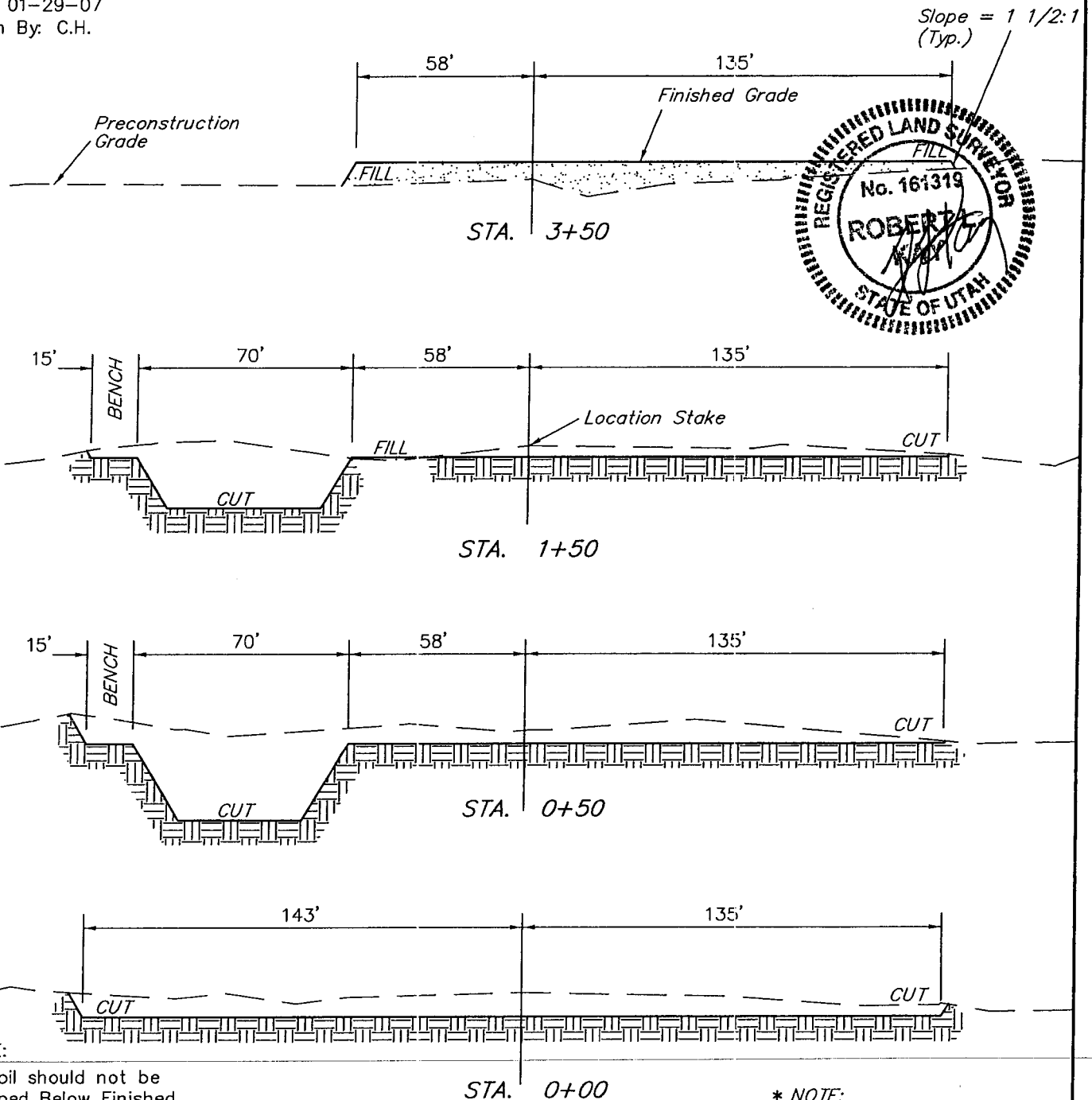
NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

465' FNL 542' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 01-29-07  
Drawn By: C.H.



### APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 3,260 Cu. Yds.  
Remaining Location = 4,330 Cu. Yds.  
TOTAL CUT = 7,590 CU.YDS.  
FILL = 2,940 CU.YDS.

EXCESS MATERIAL = 4,650 Cu. Yds.  
Topsoil & Pit Backfill (1/2 Pit Vol.) = 4,650 Cu. Yds.  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39247

WELL NAME: NBU 921-14D

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NNNW 14 090S 210E

SURFACE: 0465 FNL 0542 FWL

BOTTOM: 0465 FNL 0542 FWL

COUNTY: Uintah

LATITUDE: 40.04210 LONGITUDE: -109.5258

UTM SURF EASTINGS: 625765 NORTHINGS: 4433260

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01193

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 43-8496 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit: NATURAL BUTTES

\_\_\_ R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 17314

Eff Date: 12-2-99

Siting: 460' fr u/bdr of uncomm. trees

\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*(See Separate file)*

STIPULATIONS:

*1. Federal Approval*  
*2. Oil Shale*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

April 25, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2007 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:4-25-07



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 26, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 921-14D Well, 465' FNL, 542' FWL, NW NW, Sec. 14,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39247.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 921-14D  
API Number: 43-047-39247  
Lease: UTU-01193

Location: NW NW Sec. 14 T. 9 South R. 21 East

#### Conditions of Approval

##### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

##### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 home

##### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW SEC. 14, T9S, R21E 465'FNL, 542'FWL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14D**

9. API Well No.

**4304739247**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other LOCATION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>MOVE</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

AN ON-SITE WAS CONDUCTED ON 0724/2007 WITH THE UTE INDIAN TRIBE, BUREAU OF INDAIN AFFAIRS AND BUREAU OF LAND MANAGEMENT. AT THE ON-SITE IS WAS DECIDED TO MOVE THE SUBJECT WELL LOCATION APPROXIMATELY NW 100' TOWARD THE NBU 215X WELL LOCATION, TO AVOID DRAINAGE. THE NEW FOOTAGES ARE: 464'FNL, 442'FWL. THE ACCESS ROAD IS APPROXIMATELY 0.2 +/- MILES, THE PROPOSED PIPELINE IS APPROXIMATELY 2400' +/- OF 4" STEEL PIPELINE.

Approved by the  
Utah Division of  
Oil, Gas and Mining

PLEASE REFER TO THE ATTACHED TOPO MAPS.

Date: **11-06-07**  
By: *[Signature]*

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**October 30, 2007**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

**NOV 01 2007**

**DIV. OF OIL, GAS & MINING**

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 52.5 MILES.

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.

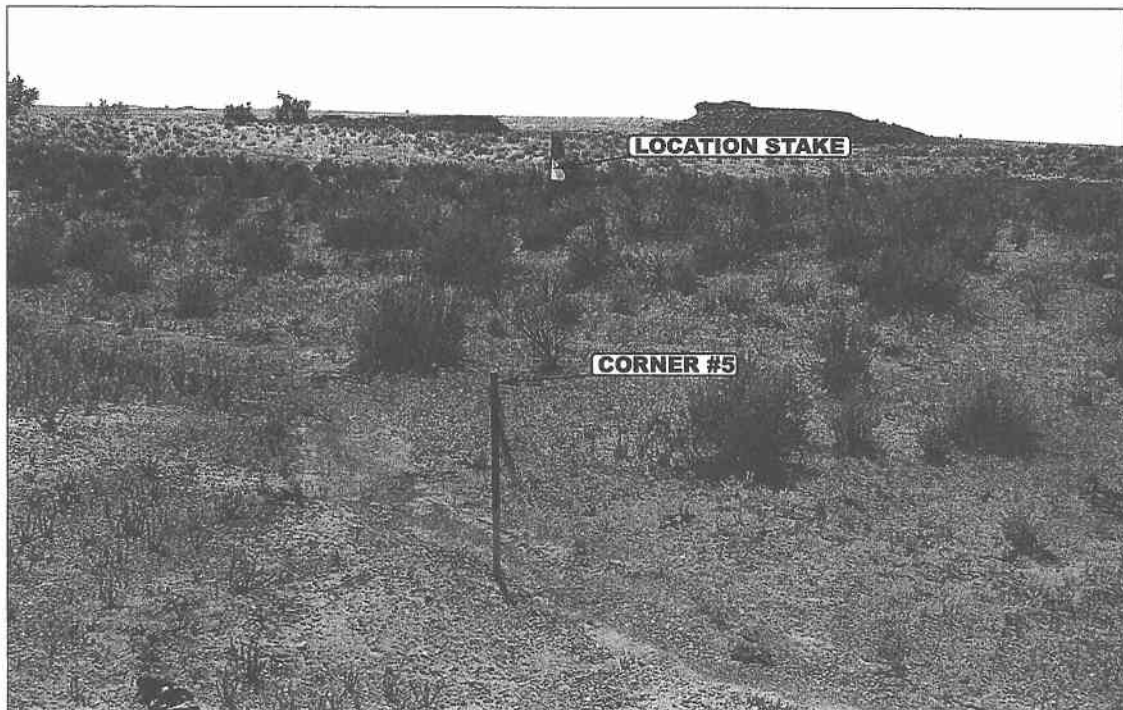


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

- Since 1964 -

LOCATION PHOTOS

01 30 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 08-06-07

T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

2006 Alum. Cap  
Flush W/Pile of  
Stones 2.0' High

2006 Alum. Cap  
0.6' High

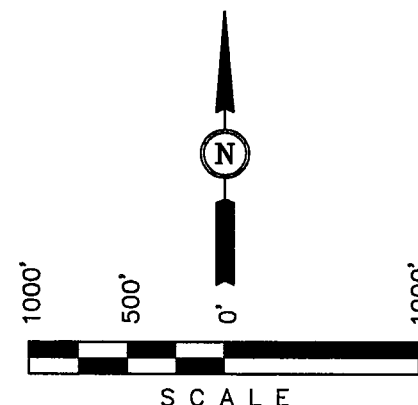
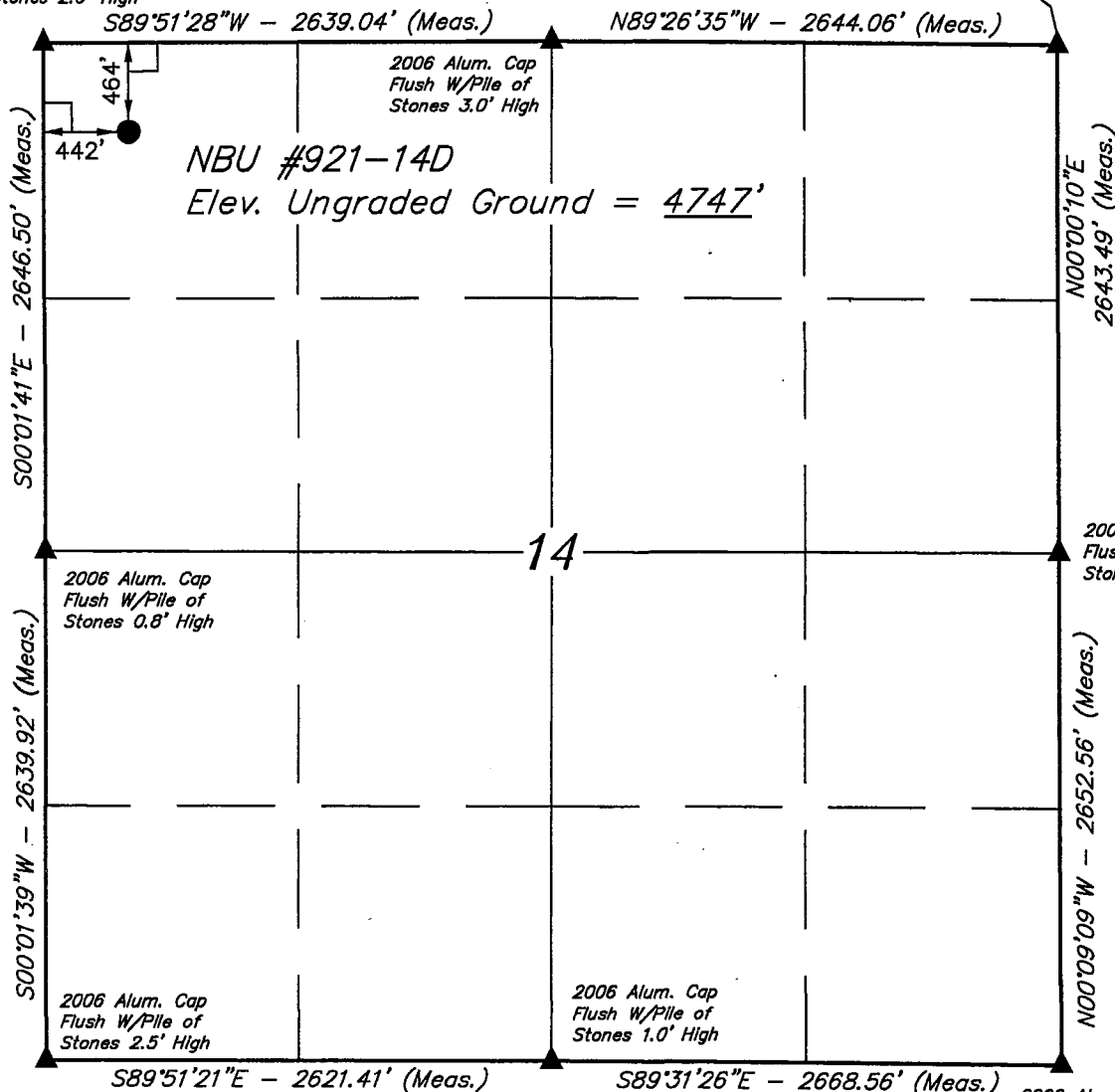
Well location, NBU #921-14D, located as shown in the NW 1/4 NW 1/4 of Section 14, T9S, R21E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

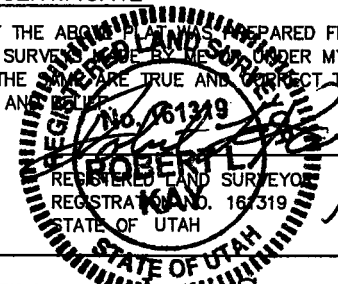
### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 08-10-07

UINTAH ENGINEERING & SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 40°02'31.45" (40.042069)  
 LONGITUDE = 109°31'36.75" (109.526875)  
 (NAD 27)  
 LATITUDE = 40°02'31.58" (40.042106)  
 LONGITUDE = 109°31'34.27" (109.526186)

SCALE 1" = 1000'	DATE SURVEYED: 01-26-07	DATE DRAWN: 01-29-07
PARTY L.K. J.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE	Kerr-McGee Oil & Gas Onshore LP

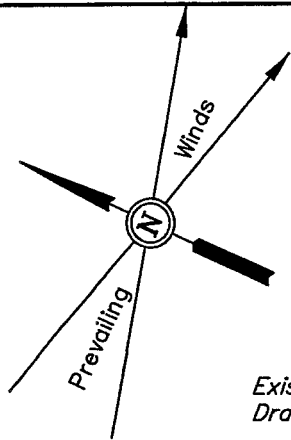
# Kerr-McGee Oil & Gas Onshore LP

## LOCATION LAYOUT FOR

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

464' FNL 442' FWL



SCALE: 1" = 50'  
DATE: 08-10-07  
Drawn By: C.H.

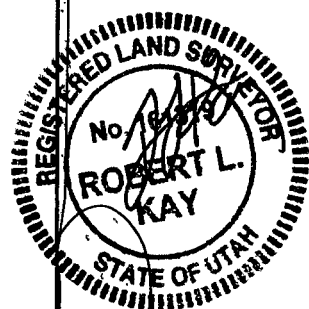
F-3.3'  
El. 42.4'  
Existing Drainage

Approx.  
Toe of  
Fill Slope

F-1.9'  
El. 43.8'

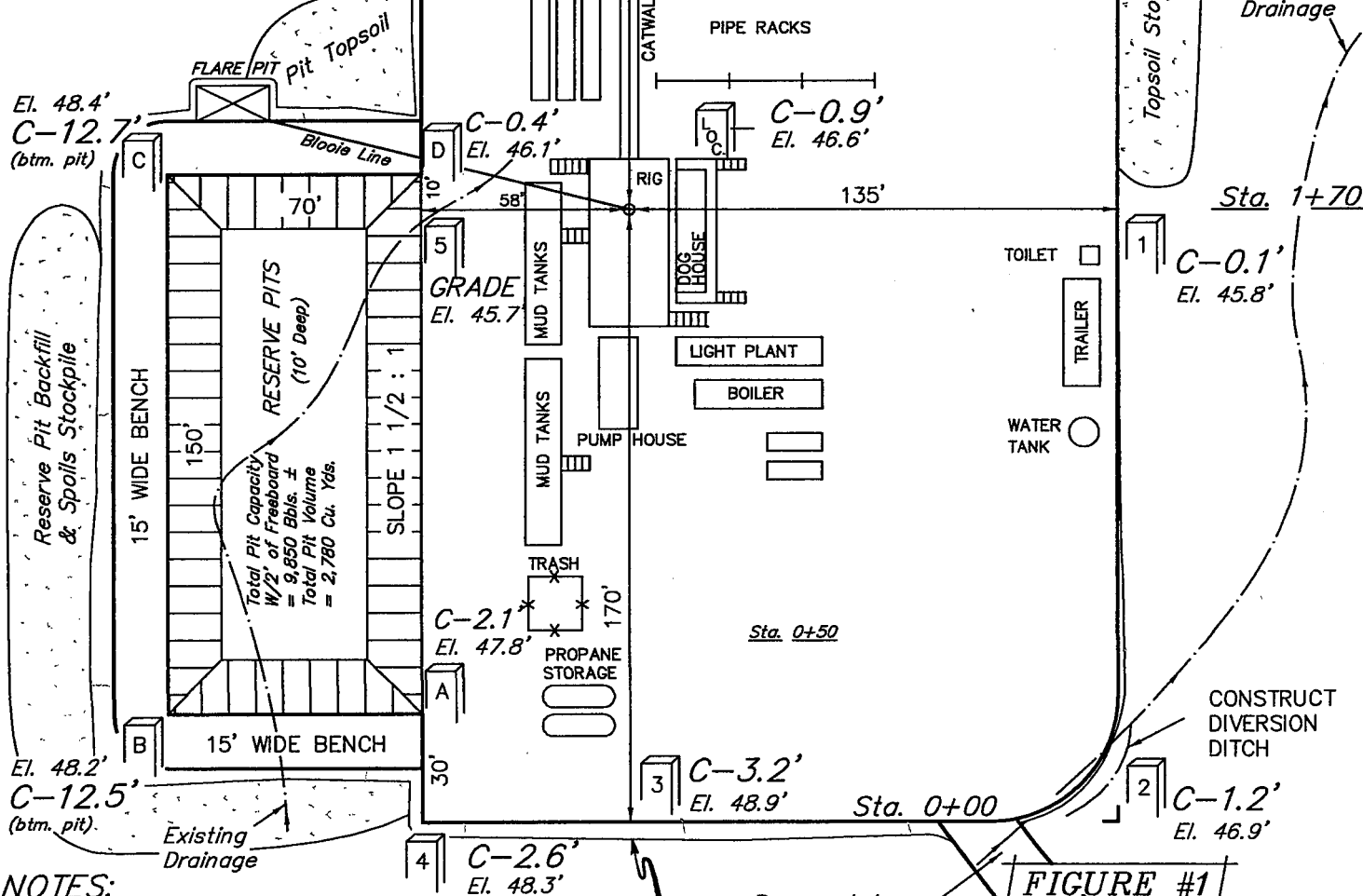
Topsail Stockpile

Sta. 3+50



### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4746.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4745.7'

Approx.  
Top of  
Cut Slope

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah, 84078 \* (435) 789-1017

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

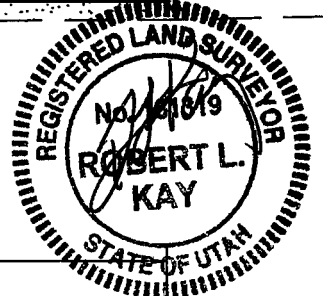
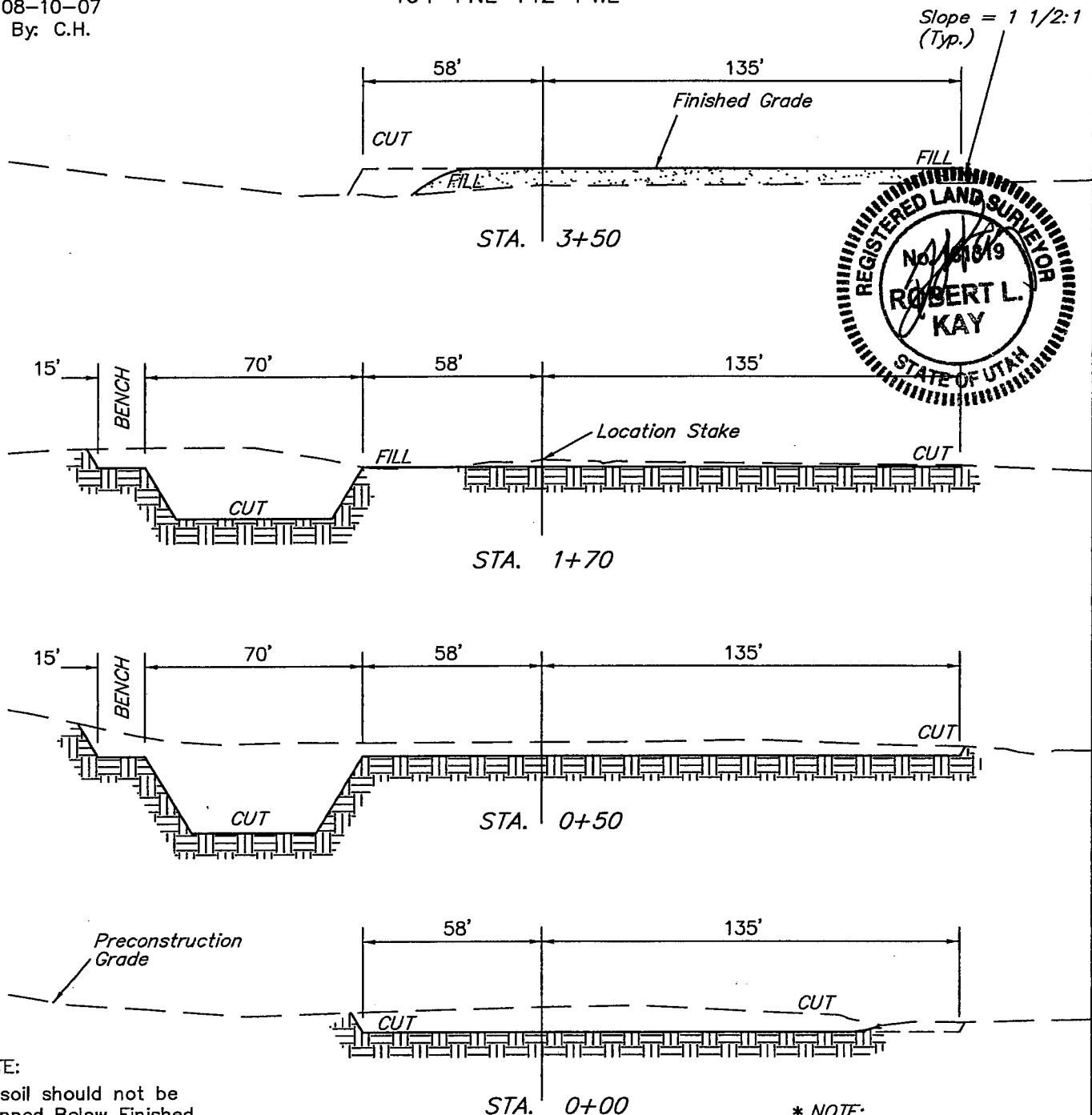
NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

464' FNL 442' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 08-10-07  
Drawn By: C.H.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

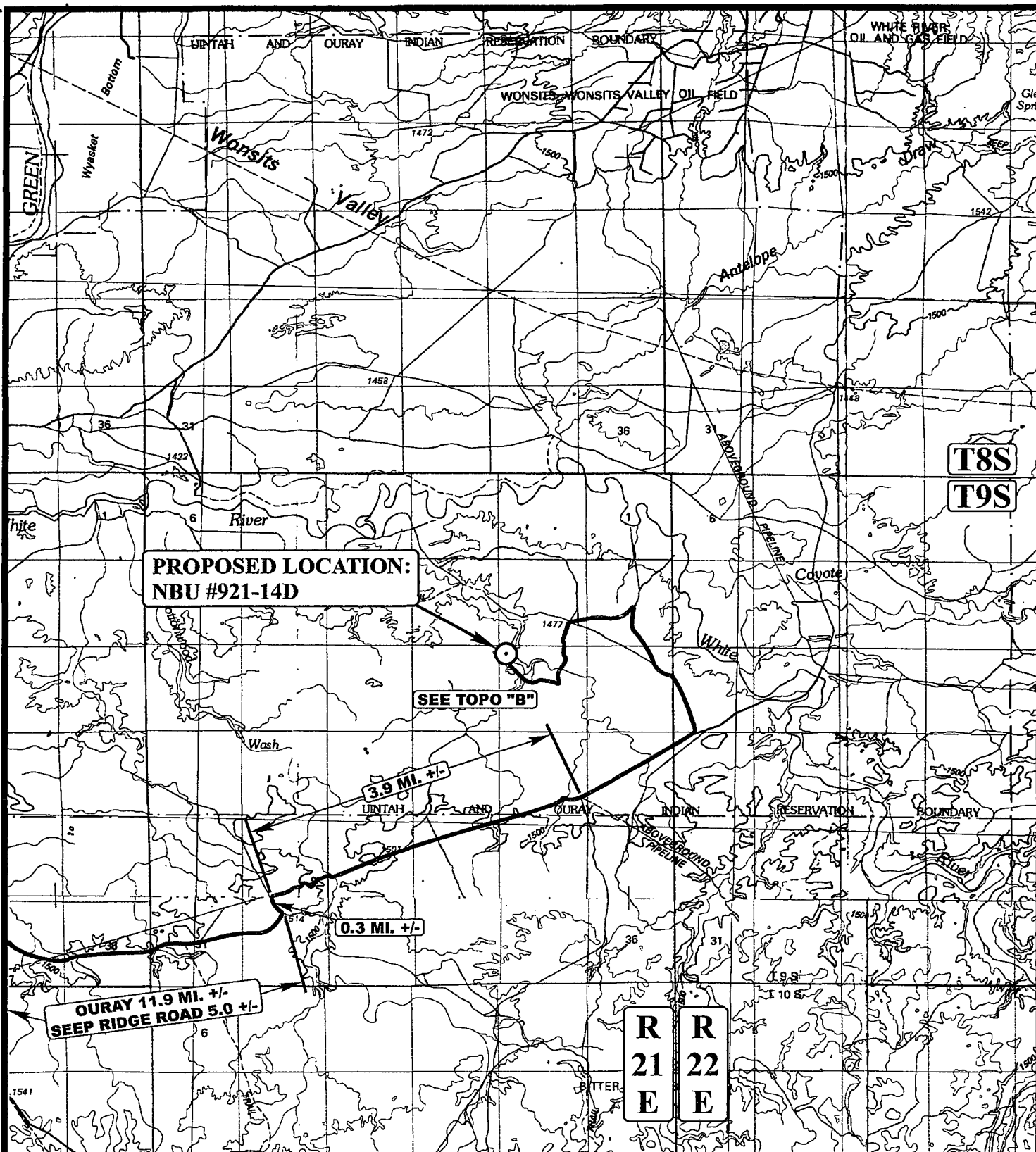
FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,220 Cu. Yds.
Remaining Location	= 4,160 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,380 CU.YDS.</b>
<b>FILL</b>	<b>= 2,010 CU.YDS.</b>

EXCESS MATERIAL	= 5,370 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,610 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 760 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# LEGEND:

○ PROPOSED LOCATION

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

464' FNL 442' FWL



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



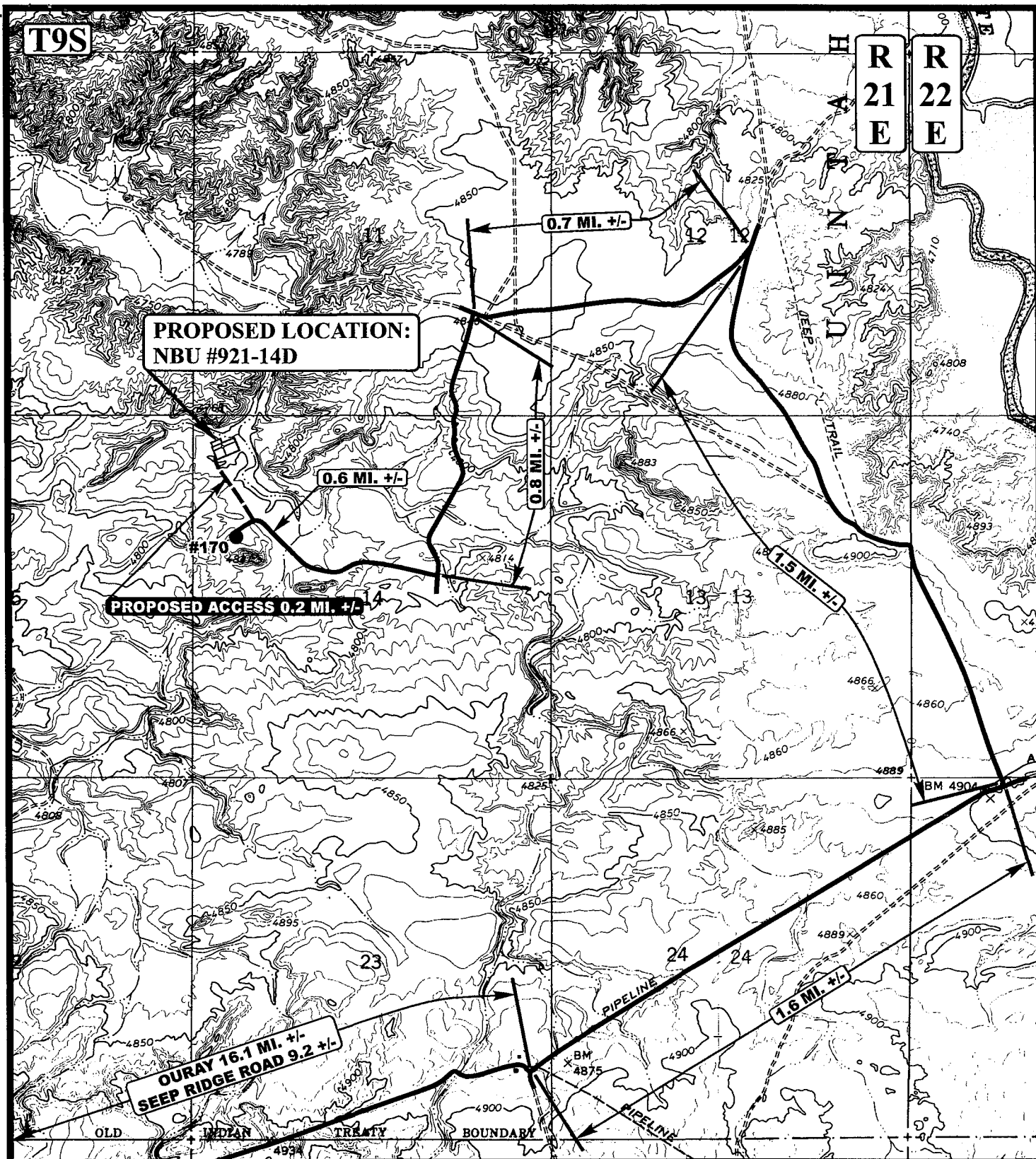
**TOPOGRAPHIC**  
**MAP**

**01** **30** **07**  
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 08-06-07







# LEGEND:

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

464' FNL 442' FWL



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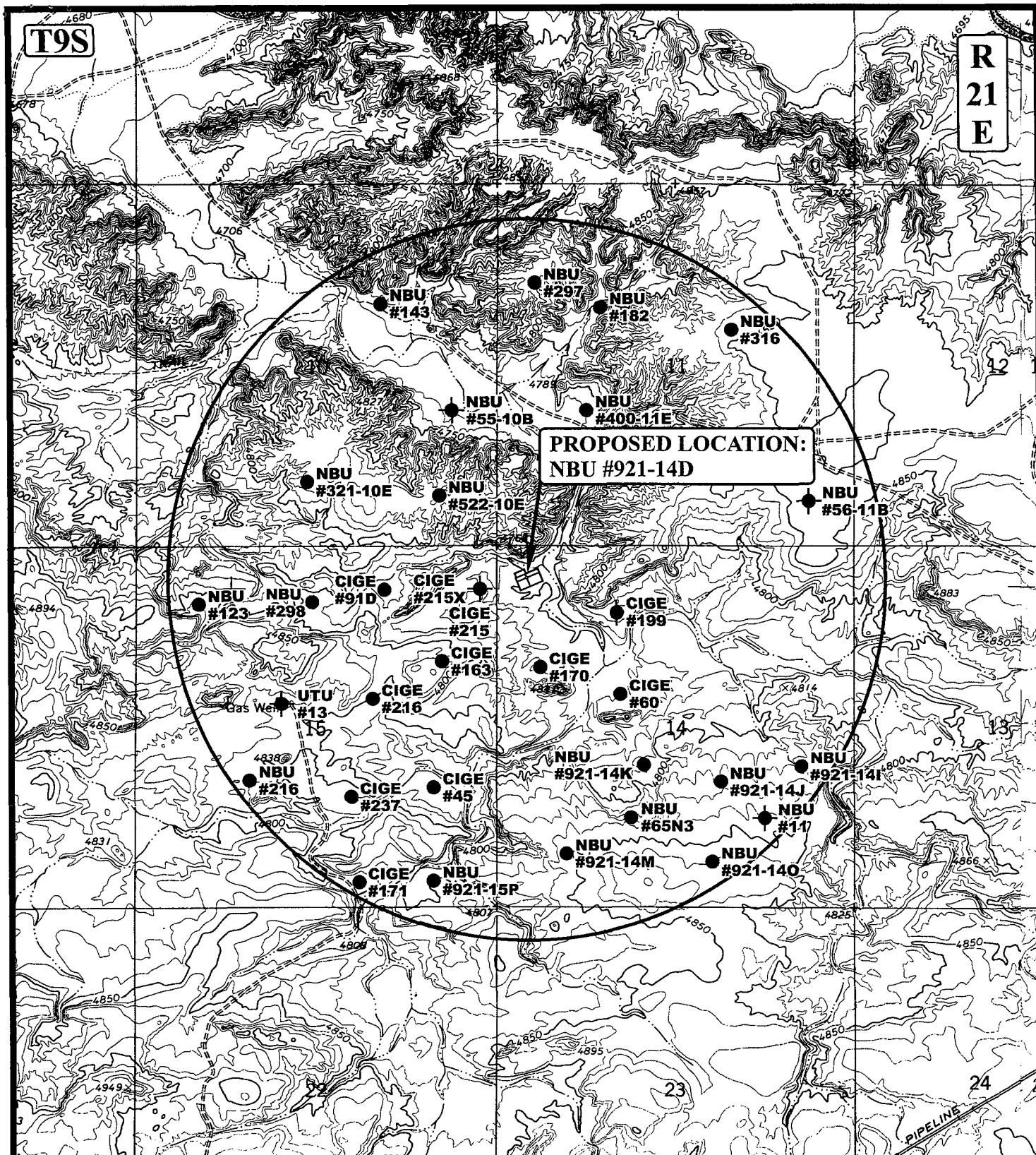


TOPOGRAPHIC  
 MAP

01 30 07  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 08-06-07

B  
 TOPO



# LEGEND:

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ○ WATER WELLS           |
| ● PRODUCING WELLS | ● ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |



## Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D  
 SECTION 14, T9S, R21E, S.L.B.&M.  
 464' FNL 442' FWL



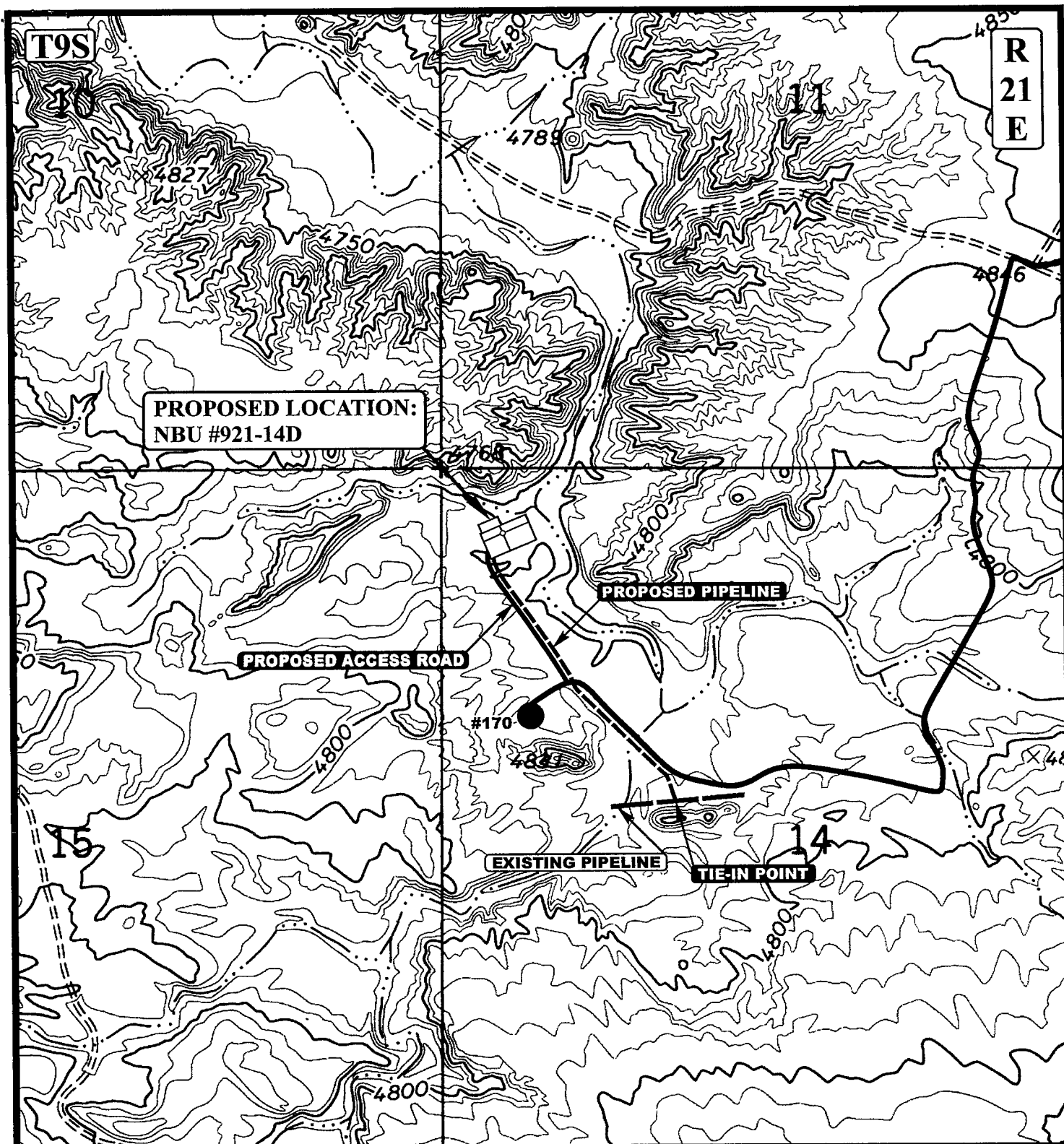
Utah Engineering & Land Surveying  
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TOPOGRAPHIC  
 MAP

01 30 07  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 08-06-07





APPROXIMATE TOTAL PIPELINE DISTANCE = 2,400' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



Kerr-McGee Oil & Gas Onshore LP

NBU #921-14D

SECTION 14, T9S, R21E, S.L.B.&M.

464' FNL 442' FWL



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TOPOGRAPHIC  
MAP

01 30 07  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 08-06-07



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW SEC. 14, T9S, R21E 464'FNL, 442'FWL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14D**

9. API Well No.

**4304739247**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>EXTENSION</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION, SO THE DRILLING OPERATIONS MAY BE COMPLETED.

THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING DEPARTMENT ON APRIL 26, 2007.

**COPY SENT TO OPERATOR**

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **5-6-2008**

Initials: **KS**

Date: **05-05-08**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature

*[Signature]*

By:

Title

**SENIOR LAND ADMIN SPECIALIST**

Date

**May 5, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304739247  
**Well Name:** NBU 921-14D  
**Location:** NW/NW SEC. 14, T9S, R21E  
**Company Permit Issued to:** KERR McGEE OIL & GAS ONSHORE LP  
**Date Original Permit Issued:** 4/26/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

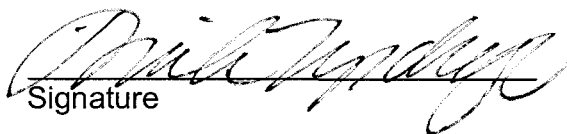
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

4/22/2008

Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

RECEIVED  
VERNAL FIELD OFFICE

2007 APR 19 AM 11:59

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 921-14D

9. API Well No.

43 047 39247

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Blk. and Survey or Area

SEC. 14, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone

☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NW/NW 465' FNL, 542' FWL

At proposed prod. Zone 464 442

14. Distance in miles and direction from nearest town or post office\*

30.7 +/- MILES FROM OURAY, UTAH

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

465'

16. No. of Acres in lease

1920.00

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

REFER TO  
TOPO C

19. Proposed Depth

10,080'

20. BLM/BIA Bond No. on file

RLB0005239

WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4746'GL

22. Approximate date work will start\*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized office.

25. Signature



Name (Printed/Typed)

SHEILA UPCHEGO

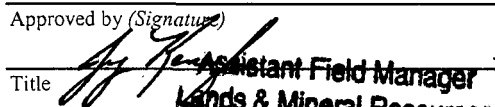
Date

4/18/2007

Title

SENIOR LAND ADMIN SPECIALIST

Approved by (Signature)

  
Assistant Field Manager  
Lands & Mineral Resources

Name (Printed/Typed)

TERESA KENDRA

Date

6-5-2008

Title

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM

NOTICE OF APPROVAL

RECEIVED  
JUN 06 2008  
DIV. OF OIL, GAS & MINING

NO NOS  
OTMIC000SA



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee O&G Onshore, LP. Location: NWNW, Sec 14, T9S, R21E  
Well No: NBU 921-14D Lease No: UTU-01193  
API No: 43-047-39247 Agreement Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

***Surface COAs:***

**Additional Stipulations:**

- 4" pipeline.

**General Conditions of Approval**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.



- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

***DOWNHOLE CONDITIONS OF APPROVAL (COAs):***

**SITE SPECIFIC DOWNHOLE COAs:**

A surface casing shoe integrity test shall be performed.

Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from

KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

## ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739247	NBU 921-14D		NWNW	14	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	7/17/2008		<i>7/31/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 07/17/2008 AT 0800 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

7/17/2008

Date

**RECEIVED**

JUL 17 2008

(5/2000)

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW SEC. 14, T9S, R21E 464'FNL, 442'FWL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14D**

9. API Well No.

**4304739247**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>WELL SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEUDLE 10 PIPE. CMT W/28 SX READY MIX.**

**SPUD WELL LOCATION ON 07/17/2008 AT 0800 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**REGULATORY ANALYST**

Signature

Date

**July 17, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**  
**JUL 21 2008**  
DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A  
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14D

9. API Well No.

4304739247

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/NW SEC. 14, T9S, R21E 464'FNL, 442'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 07/24/2008. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/260 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/ 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGHOUT JOB 25 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. NO CMT TO SURFACE. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

August 5, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

AUG 11 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW SEC. 14, T9S, R21E 464'FNL, 442'FWL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14D**

9. API Well No.

**4304739247**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FINAL DRILLING OPERATIONS</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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FINISHED DRILLING FROM 2760' TO 10,040' ON 08/30/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/400 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1252 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/155 BBLS FRESH WATER @3200 PSI BUMPED PLUG @4100 PSI FLOATS HELD W/2 BBL RETURNS LOST CIRC AT START OF DISPLACEMENT LAND MANDREL HANGER & TEST 5000 PSI. N/DN BOP CLEAN RIG TANKS.

**RELEASED PIONEER RIG 54 ON 08/31/2008 AT MIDNIGHT.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**STELLA UPCHEGO**

Title

**REGULATORY ANALYST**

Signature

Date

**September 2, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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(Instructions on reverse)

**RECEIVED**

**SEP 09 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS  
**Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

465' FNL, 542' FWL  
NWNW, SEC.14 T9S-R21E

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

8. Well Name and No.

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10. Field and Pool, or Exploratory Area

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/5/2008 AT 9:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

October 8, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on reverse)

RECEIVED

OCT 14 2008

DIV. OF OIL, GAS & MINING

Wins No.: 94952

NBU 921-14D

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP		FIELD NAME NATURAL BUTTES	SPUD DATE 07/17/2008	GL 4,745	KB 4754	ROUTE
API 4304739247	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES			
Long/Lat.: 40.04207 / -109.52652	Q-Q/Sect/Town/Range: NWNW 14 / 9S / 21E		Footages: 465.00' FNL 542.00' FWL			

## Wellbore: NBU 921-14D

MTD 10,047	TVD 10,040	PBMD 9,994	PSTVD
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EVENT INFORMATION: EVENT ACTIVITY: DRILLING START DATE: 7/17/2008 AFE NO.: 2007707  
 OBJECTIVE: DEVELOPMENT END DATE: 8/31/2008  
 OBJECTIVE 2: VERTICAL WELL DATE WELL STARTED PROD.: 7/17/2008  
 REASON: DRILL PROD HOLE Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location  
 PETE MARTIN DRILLING / UI 07/17/2008 07/17/2008 07/17/2008 07/17/2008 07/17/2008 07/17/2008 07/17/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/17/2008	SUPERVISOR: LEW WELDON						
	8:00 - 16:00	8.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0800 HR 7/17/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 54 BLM AND STATE NOTIFIED OF SPUD
7/24/2008	SUPERVISOR: LEW WELDON						
	10:30 - 12:00	1.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1030 HR 7/24/08 DA AT REPORT TIME 120'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 900'
7/25/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD SOME WATER 1220'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD SOME WATER 1420'
7/26/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1660' WELL NOT CIRCULATING
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1920' WITH HALF RETURNS TO PIT
7/27/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP WELL CIRCULATING TO PIT 2190'
	12:00 - 21:03	9.00	DRLSUR	02		P	RIG DRILLED TO 2340' TWIST OFF 8" COLLARS TOOH

	21:00 - 0:00	3.00	DRLSUR	16	Z	LDDS LEFT 3 EA 8" COLLARS AND TRICONE IN HOLE WAIT ON FISHING TOOLS
7/28/2008	SUPERVISOR: LEW WELDON					
	0:00 - 14:00	14.00	DRLSUR	16	Z	RIH WITH FISHING TOOLS WITH NO SUCCESS
	14:00 - 0:00	10.00	DRLSUR	16	Z	RIH WITH WASH PIE @ REPORT TIME
7/29/2008	SUPERVISOR: LEW WELDON					
	0:00 - 14:00	14.00	DRLSUR	16	Z	WASH OVER FISH
	14:00 - 0:00	10.00	DRLSUR	16	Z	RIH WITH FISHING TOOLS RETRIVE FISH LLDS AND FISH RIH WITH MAGNET TO CONDITION HOLE
7/30/2008	SUPERVISOR: LEW WELDON					
	0:00 - 14:00	14.00	DRLSUR	04	Z	CONDITION HOLE WITH MAGNET RETRIVE SOME METAL TOOH RIH WITH TRICONE
	14:00 - 0:00	10.00	DRLSUR	02	P	DRILL FROM 2340'-2490' CIRCULATING WITH SKID PUMP WELL CIRCULATING TO PIT DA
7/31/2008	SUPERVISOR: LEW WELDON					
	0:00 - 9:00	9.00	DRLSUR	02	P	RIG T/D @ 2760' CONDITION HOLE 1 HR
	9:00 - 13:00	4.00	DRLSUR	05	P	TRIP DP OUT OF HOLE
	13:00 - 17:00	4.00	DRLSUR	11	P	RUN 2675' OF 9 5/8 CSG WAS UNABLE TO LAND LAST JNT LAY DOWN LAST JNT RUN 200' OF 1" PIPE RIG DOWN AIR RIG
	17:00 - 18:00	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 260 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL SK GOOD RETURNS THRUOUT JOB + - 25 BBL LEAD CMT TO PIT
	18:00 - 18:30	0.50	DRLSUR	15	P	1ST TOP JOB 125 SKS DOWN 1" PIPE NO CMT TO SURFACE WOC
	18:30 - 21:00	2.50	DRLSUR	15	P	2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	21:00 - 21:00	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/4 FULL WORT
8/15/2008	SUPERVISOR: KENT MOORE					
	3:00 - 10:00	7.00	RDMO	01	E	P RDRT
	10:00 - 18:00	8.00	RDMO	01	E	P MOVE & SET IN RIG - 100% MOVED 0% RIGGED UP

	10:00 - 18:00	8.00	RDMO	01	E	P	MOVE & SET IN RIG - 100% MOVED 0% RIGGED UP
	18:00 - 0:00	6.00	RDMO	12	D	P	IDLE
8/16/2008	SUPERVISOR: KENT MOORE						
	0:00 - 6:00	6.00	MIRU	01	B	P	IDLE
	6:00 - 0:00	18.00	MIRU	01	B	P	RURT - 75% RIGGED UP
8/17/2008	SUPERVISOR: KENT MOORE						
	0:00 - 11:30	11.50	MIRU	01	B	P	RURT
	11:30 - 15:30	4.00	MIRU	13	A	P	N/UP BOP - FLOW LINE, CHOKE LINE, SEPARATOR
	15:30 - 0:00	8.50	MIRU	13	C	P	TEST BOP - RAMS, KELLY, UPPER/LOWER KELLY VALVES, CHOKE, & FLOOR VALVES 250 LOW 5000 HIGH (HCR VALVE FAILED TEST) - CASING 1500
8/18/2008	SUPERVISOR: KENT MOORE						
	0:00 - 2:00	2.00	DRLPRO	13	A	P	TEST BOP
	2:00 - 5:00	3.00	DRLPRO	07	C	P	FMC REPAIR HCR VALVE
	5:00 - 7:30	2.50	DRLPRO	13	C	P	R/UP TESTERS TEST HCR VALVE - TEST TRUCK BLEED OFF VALVE LEAKING - WAIT ON B&C QUICK TEST FOR NEW VALVE
	7:30 - 9:30	2.00	DRLPRO	13	C	P	REPLACE BLEED OFF VALVE ON TEST UNIT - TEST HCR VALVE - SET WEARBUSHING
	9:30 - 15:00	5.50	DRLPRO	05	A	P	HPJSM - R/UP & P/UP BHA/DP to 2590'
	15:00 - 16:30	1.50	DRLPRO	13	B	P	INSTALL ROTATING RUBBER & DRIVE BUSHING - CENTER BOP - CHECK FLOW LINE SEPARATOR LINES FOR LEAKS
	16:30 - 18:00	1.50	DRLPRO	02	F	P	DRILL CMT, FE & RATHOLE TO 2760'
	18:00 - 19:00	1.00	DRLPRO	02	B	P	DRLG F/2760' TO 2874' ( 114') MW 8.9
	19:00 - 19:30	0.50	DRLPRO	09	A	P	WLS - 1.6
	19:30 - 0:00	4.50	DRLPRO	02	B	P	DRLG F/2874' TO 3305' ( 431' @ 95.7fph) MW 9.0
8/19/2008	SUPERVISOR: KENT MOORE						

0:00 - 0:30	0.50	DRLPRO	02	B	P	DRLG F/3305' TO 3380' ( 75' ) MW 9.2
0:30 - 1:00	0.50	DRLPRO	09	A	P	WLS - 2.8
1:00 - 11:00	10.00	DRLPRO	02	B	P	DRLG F/3380' TO 4045' ( 665' @ 66.5fph ) MW 9.8
11:00 - 11:30	0.50	DRLPRO	09	A	P	WLS - 2.25
11:30 - 21:30	10.00	DRLPRO	02	B	P	DRLG F/4045' TO 4551' ( 506' @ 50.6fph ) MW 9.8
21:30 - 22:00	0.50	DRLPRO	09	A	P	WLS - 2.30
22:00 - 0:00	2.00	DRLPRO	02	B	P	DRLG F/4551' TO 4680' ( 129' @ 64.5fph ) MW 9.8

8/20/2008

SUPERVISOR: KENT MOORE

0:00 - 11:00	11.00	DRLPRO	02	B	P	DRLG F/4680' TO 5215' ( 535' @ 48.6fph ) MW 9.8
11:00 - 11:30	0.50	DRLPRO	06	A	P	RIG SER
11:30 - 14:00	2.50	DRLPRO	02	B	P	DRLG /5215' TO 5310' ( 95' @ 47.5fph ) MW 9.8
14:00 - 14:30	0.50	DRLPRO	07	B	P	WORK ON #1 & #2 MUD PUMP
14:30 - 19:30	5.00	DRLPRO	02	B	P	DRLG F/5310' TO 5531' ( 221' @ 44.2fph ) MW 9.8
19:30 - 20:00	0.50	DRLPRO	09	A	P	WLS - 1.67
20:00 - 0:00	4.00	DRLPRO	02	B	P	DRLG F/5531' TO 5750' ( 219' @ 54.8fph ) MW 9.8

8/21/2008

SUPERVISOR: KENT MOORE

0:00 - 7:30	7.50	DRLPRO	02	B	P	DRLG F/5750' TO 6125' ( 375' @ 50fph ) MW 9.8
7:30 - 8:30	1.00	DRLPRO	04	D	S	LOST RETURNS, WORK PIPE, PUMP @ MINIMAL RATE , MIX LCM, UNABLE TO REGAIN RETURNS
8:30 - 9:30	1.00	DRLPRO	05	G	S	POOH TO 4614'
9:30 - 12:30	3.00	DRLPRO	04	D	S	CIRC @ REDUCED RATE BUILDING VOLUME RAISING LCM TO 10%
12:30 - 13:30	1.00	DRLPRO	05	G	S	RIH TO 5658'

Wins No.: 94952		NBU 921-14D						API No.: 4304739247
12:30 - 13:30	1.00	DRLPRO	05	G	S	RIH TO 5658'		
13:30 - 14:30	1.00	DRLPRO	04	D	S	CIRC @ FULL RATE 430gpm - GOOD RETURNS - MW 9.8 10% LCM		
14:30 - 15:00	0.50	DRLPRO	05	G	S	RIH TO 6125'		
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRLG F/6125' TO 6418' ( 293' @ 32.5fph) MW 9.9 15% LCM		
<hr/>								
8/22/2008	SUPERVISOR: KENT MOORE							
0:00 - 17:30	17.50	DRLPRO	02	B	P	DRLG F/6418 TO 6921' ( 503" @ 28.7fph) MW 9.9 13% LCM		
17:30 - 18:00	0.50	DRLPRO	06	A	P	RIG SER		
18:00 - 20:30	2.50	DRLPRO	02	B	P	DRLG F/6921' TO 6942' ( 21' @ 8.4fph) MW 9.9 13% LCM		
20:30 - 0:00	3.50	DRLPRO	05	A	P	TFNB - (TIGHT ON POOH @ 4950)		
<hr/>								
8/23/2008	SUPERVISOR: KENT MOORE							
0:00 - 5:30	5.50	DRLPRO	05	A	P	TFNB - WASH 32' TO BTM - NO FILL (NO PROBLEMS ON TIH)		
5:30 - 10:00	4.50	DRLPRO	02	B	P	DRLG F/6942' TO 7174' ( 232' @ 51.5fph) MW 10.0, 13% LCM		
10:00 - 10:30	0.50	DRLPRO	06	A	P	RIG SER		
10:30 - 0:00	13.50	DRLPRO	02	B	P	DRLG F/7174' TO 7986' ( 812' @ 60.1fph) MW 10.2 LCM 14%		
<hr/>								
8/24/2008	SUPERVISOR: KENT MOORE							
0:00 - 6:00	6.00	DRLPRO	02	B	P	DRLG F/7986' TO 8053' ( 67' @ 11.2fph) MW 10.2 LCM 15%		
6:00 - 15:30	9.50	DRLPRO	05	A	P	TFNB/MM - WASH 34' TO BTM - NO FILL (TIGHT ON POOH @ 6000 & 4950 30k O/PULL - TIGHT ON RIH @ 4950) ( LOST 100 BBLs MUD ON TRIP)		
15:30 - 18:30	3.00	DRLPRO	02	B	P	DRLG F/8053' TO 8187' ( 134' @ 44.7fph) MW 10.2 15% LCM		
18:30 - 19:00	0.50	DRLPRO	06	A	P	RIG SER		
19:00 - 0:00	5.00	DRLPRO	02	B	P	DRLG F/8187' TO 8407' ( 220' @ 44fph) MW 10.2 15% LCM		
<hr/>								
8/25/2008	SUPERVISOR: KENT MOORE							
0:00 - 12:00	12.00	DRLPRO	02	B	P	DRLG F/8407' TO 8883' ( 476' @ 39.7fph) MW 10.4 17% LCM		



0:00 - 12:00	12.00	DRLPRO	02	B	P	DRLG F/8407' TO 8883' ( 476' @ 39.7fph) MW 10.4 17% LCM
12:00 - 12:30	0.50	DRLPRO	06	A	P	RIG SER
12:30 - 13:00	0.50	DRLPRO	07	A	P	REPLACE RIG TONGS
13:00 - 20:30	7.50	DRLPRO	02	B	P	DRLG F/8883' TO 9072' ( 189' @ 25.2fph) MW 11.0 LCM 20%
20:30 - 21:00	0.50	DRLPRO	07	A	P	ADJUST RIG BRAKES - WILDCAT AUTO-DRILLER TECH ON LOCATION - ADJUST AND CHECK AUTO-DRILLER
21:00 - 22:30	1.50	DRLPRO	07	B	P	REPLACE VALVES & SEATS #2 PUMP - REPLACE PISTONS #1 PUMP
22:30 - 23:30	1.00	DRLPRO	02	B	P	DRLG F/9072' TO 9104' ( 32') MW 11.0 LCM 20%
23:30 - 0:00	0.50	DRLPRO	04	D	S	LOSSING CIRC - REDUCE PUMP RATE CONTINUE CIRC RAISE LCM TO 25% LOWER MW TO 10.8 BUILD VOLUME

8/26/2008 SUPERVISOR: KENT MOORE

0:00 - 2:30	2.50	DRLPRO	04	D	P	CIRC @ REDUCED RATE RAISE LCM TO 25% LOWER MW TO 10.8 - BUILD VOLUME (LOST 2005b)
2:30 - 11:00	8.50	DRLPRO	02	B	P	DRLG F/9104' TO 9268' ( 164' @ 19.3fph) MW 10.7 LCM 22%
11:00 - 11:30	0.50	DRLPRO	06	A	P	RIG SER
11:30 - 17:00	5.50	DRLPRO	02	B	P	DRLG F/9268' TO 9342' ( 74' @ 13.5fph) MW 10.7 22% LCM
17:00 - 0:00	7.00	DRLPRO	05	A	P	TFNB - L/DN MM

8/27/2008 SUPERVISOR: KENT MOORE

0:00 - 1:30	1.50	DRLPRO	05	A	P	RIH TO 2700'
1:30 - 2:00	0.50	DRLPRO	04	A	P	ATTEMPT BRK CIRC - JETS PLUGGED W/LCM
2:00 - 6:30	4.50	DRLPRO	05	A	P	POOH F/PLUGGED JETS - CLEAN LCM F/SAVER SUB & BIT
6:30 - 12:30	6.00	DRLPRO	05	A	P	RIH BRK CIRC @ 645', 2700' & 6000'
12:30 - 0:00	11.50	DRLPRO	02	A	P	DRLG F/9342' TO 9580' ( 238' @ 20.7fph) MW 10.9 LCM 22%

8/28/2008	SUPERVISOR: KENT MOORE						
0:00 - 6:00	6.00	DRLPRO	02	A	P	DRLG F/9580' TO 9630' ( 50' @ 8.3fph) MW 10.9 LCM 22%	
6:00 - 14:30	8.50	DRLPRO	05	A	P	TFNB - BRK CIRC @ 646 & 2700'	
14:30 - 16:30	2.00	DRLPRO	06	D	P	SLIP & CUT DRILL LINE	
16:30 - 20:00	3.50	DRLPRO	05	A	P	RIH - BRK CIRC @ 6000' - WASH 34' TO BTM - NO FILL (TIGHT ON RIH @ 4950')	
20:00 - 0:00	4.00	DRLPRO	02	A	P	DRLG F/9630' TO 9690' ( 60' @ 15fph) MW 11.0 LCM 22%	
8/29/2008	SUPERVISOR: KENT MOORE						
0:00 - 12:00	12.00	DRLPRO	02	A	P	DRLG F/9690' TO 9764' ( 74' @ 6.2fph) MW 10.9 LCM 22%	
12:00 - 23:00	11.00	DRLPRO	05	A	P	TFNB/MM - P/UP MM - BRK CIRC @ 677', 2700' & 6200' - WASH 42' TO BTM - NO FILL	
23:00 - 0:00	1.00	DRLPRO	02	B	P	DRLG F/9764' TO 9798' ( 34') MW 10.9 LCM 22%	
8/30/2008	SUPERVISOR: KENT MOORE						
0:00 - 12:00	12.00	DRLPRO	02	B	P	DRLG F/9798' TO 10047' ( 249' @ 20.7fph) MW 11.0 LCM 20%	
12:00 - 14:00	2.00	DRLPRO	04	A	P	CIRC	
14:00 - 16:00	2.00	DRLPRO	05	E	P	WTRIP	
16:00 - 18:30	2.50	DRLPRO	04	A	P	CIRC - HPJSM - R/UP L/DN MACHINE	
18:30 - 0:00	5.50	DRLPRO	05	A	P	LDDP/BHA	
8/31/2008	SUPERVISOR: KENT MOORE						
0:00 - 6:00	6.00	DRLPRO	05	A	P	LDDP/BHA	
6:00 - 6:30	0.50	DRLPRO	13	B	P	RETRIEVE WEARBUSHING	
6:30 - 15:00	8.50	CSG	11	B	P	HPJSM - R/UP CASING CREW - RUN 237 JTS 4 1/2 PROD CASING TO 10037'	
15:00 - 16:30	1.50	CSG	04	E	P	R/UP CMT HEAD - CIRC CASING	

<b>Wins No.:</b> 94952		<b>NBU 921-14D</b>				<b>API No.:</b> 4304739247	
16:30 - 19:30	3.00	CSG	15	A	P	HPJSM - R/UP BJ - TEST LINES 4500 PSI - PUMP 20 BBL MUD CLEAN SPACER, 20SKS SCAVENGER 9.5 PPG YIELD 8.45, LEAD 400 SKS 11.0 PPG YIELD 3.38, TAIL 1252 SKS 14.3 PPG YIELD 1.31, DROPPED PLUG & DISPLACED W/155 BBLs FRESH WATER @ 3200 PSI, BUMPED PLUG @ 4100 PSI, FLOATS HELD W/2 BBL RETURNS - LOST CIRC AT START OF DISPLACEMENT	
19:30 - 20:00	0.50	CSG	11	B	P	LAND MANDRIL HANGER & TEST 5000 PSI	
20:00 - 0:00	4.00	CSG	13	A	P	N/DN BOP - CLEAN RIG TANKS - RELEASE RIG @ 8/31/08 00:00 HRS - RESERVE 1/2 FULL - NO VISUAL LEAKS - PIT LINER OK	
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: COMPLETION		START DATE: 9/16/2008		AFE NO.: 2007707	
		OBJECTIVE: CONSTRUCTION		END DATE: 9/16/2008			
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.: 7/17/2008			
		REASON: Surface Fac		Event End Status: COMPLETE			
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release    Rig Off Location
<b>Date</b>	<b>Time Start-End</b>	<b>Duration (hr)</b>	<b>Phase</b>	<b>Code</b>	<b>Subco de</b>	<b>P/U</b>	<b>Operation</b>
9/16/2008	<u>SUPERVISOR:</u> Hal Blanchard						

<b>Wins No.:</b> 94952		<b>NBU 921-14D</b>		<b>API No.:</b> 4304739247			
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: COMPLETION		START DATE: 9/29/2008			
		OBJECTIVE: DEVELOPMENT		END DATE: 10/2/2008			
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.: 7/17/2008			
		REASON: MV		Event End Status: COMPLETE			
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start		
					Finish Drilling		
					Rig Release		
					Rig Off Location		
MILES 2 / 2		09/29/2008					
		10/02/2008					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
9/29/2008	<b>SUPERVISOR: JEFF SAMUELS</b>						
	7:00 - 17:00	10.00	COMP	31	I	P	7:00 A.M. HSM ROAD RIG & EQUIP F/ NBU 921-29M TO LOC. MIRU, NDWH, NUBOPE. PREP & TALLY 282 JTS 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. EOT @ 8936'. X-O POOH STD BK 141 STD'S. L/D BHA. SWI. SDFN
9/30/2008	<b>SUPERVISOR: JEFF SAMUELS</b>						
	7:00 - 17:00	10.00	COMP	36	B	P	7:00 A.M. HSM NDBOPE, NU FRAC VLV'S. MIRU B&C QUICK TST. FILL CSG & PSI TST CSG & FRAC VLV'S TO 7500# (HELD). MIRU WEATHERFORD FRAC SVC. MIRU CUTTERS W/L SVC. P/U 3 3/8" PERF GUNS & RIH. SHOOT STG 1 PERF'S W/ 24 HOLES F/ 9866' - 72', P/U SHOOT 16 HOLES F/ 9824' - 28'. POOH, PRIME PMP'S & PSI TST LINES TO 8500# (HELD). PREP TO FRAC  NOTE: ALL WHITE SAND ON THIS JOB IS 40/70 MESH, TLC IS 20/40 MESH. ALL STAGES SHOT W/ 3 3/8" EXPENDABLE PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL STAGES INCLUDE NALCO DVE-005 SCALE INHIB, 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN PRE PAD & FLUSH. ALL CLEAN FLUID INCLUDES NALCO BIOCIDE @ .5 GPT  STG 1: BRK DWN PERF'S @ 4300#, EST INJ RT @ 50 BPM @ 5265#, ISIP 3013#, FG .75, TREAT STG 1 W/ 47,059# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1363 BBLs. ISIP 3160#, NPI 147#, FG .77  STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9704', P/U SHOOT 24 HOLES F/ 9668' - 74', P/U SHOOT 16 HOLES F/ 9642' - 46'. POOH, BRK DWN PERF'S @ 4255#, EST INJ RT @ 53.3 BPM @ 5300#, ISIP 2586#, FG .72, TREAT STG 2 W/ 81524# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2201 BBLs. ISIP 3383#, NPI 798#, FG .80  STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9612', P/U SHOOT 8 HOLES F/ 9544' - 46', P/U SHOOT 8 HOLES F/ 9492' - 94', P/U SHOOT 8 HOLES F/ 9464' - 66', P/U SHOOT 16 HOLES F/ 9436' - 40'. POOH. SWI. SDFN
10/1/2008	<b>SUPERVISOR: JEFF SAMUELS</b>						

7:00 - 17:00      10.00      COMP      36      B      P      7:00 a.m. HSM  
CONT TO FRAC

STG 3: BRK DWN PERF'S @ 4617#, EST INJ RT @ 50.3 BPM @ 5400#, ISIP 3029#, FG .77, TREAT STG 3 W/ 75,744# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2064 BBLs. ISIP 3151#, NPI 122#, FG .78

STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9398', P/U SHOOT 16 HOLES F/ 9364' - 68', P/U SHOOT 24 HOLES F/ 9288' - 94', POOH. BRK DWN PERF'S @ 3076#, EST INJ RT @ 50.8 BPM @ 5870#, ISIP 2763#, FG .74. TREAT STG 4 W/ 118,279# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 3063 BBLs. ISIP 2998#, NPI 235#, FG .77

STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9178', P/U SHOOT 24 HOLES F/ 9142' - 48', P/U SHOOT 8 HOLES F/ 9060' - 62', P/U SHOOT 8 HOLES F/ 9020' - 22'. POOH. BRK DWN PERF'S @ 3821#, EST INJ RT @ 52 BPM @ 4900#. ISIP 2605#, FG .74, TREAT STG 5 W/ 178,243# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 4757 BBLs. ISIP 2850#, NPI 245#, FG .76

P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 8970'. POOH. RDMO CUTTERS. RDMO WEATHERFORD FRAC SVC. ND FRAC VLVs. NU BOPE. P/U 3 7/8" BIT, POBS & RIH W/ TBG. EOT @ 8500' SWI. SDFN

TOTAL SAND PUMPED 500,849#  
TOTAL FLUID PUMPED 13448 BBLs

10/2/2008      SUPERVISOR: JEFF SAMUELS

7:00 - 17:30      10.50      COMP      44      C      P

7:00 A.M. HSM  
CONT TO RIH W/ TBG F/ 8500'. TAG KILL PLUG @ 8970'. R/U DRL EQUIP, R/U PMP & LINES. BRK CONV CIRC W/ 2% KCL & BEG TO DRL.

DRL UP 1ST CBP (1400# PSI INC). CONT TO RIH. TAG FILL @ 9148' (30' FILL). C/O TO 2ND CBP @ 9178'.

DRL UP 2ND CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 9368' (30' FILL). C/O TO 3RD CBP @ 9398'.

DRL UP 3RD CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 9563' (45' FILL). C/O TO 4TH CBP @ 9608'.

DRL UP 4TH CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 9674' (30' FILL). C/O TO 5TH CBP @ 9704'.

DRL UP 5TH CBP (100# PSI INC). CONT TO RIH. TAG FILL @ 9889' (105' FILL). C/O TO PBTD @ 9994', CIRC WELL CLEAN. R/D DRL EQUIP. POOH L/D 24 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 9623'. ND BOPE. NUWH. PMP OFF THE BIT SUB @ 3400#. R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW. RIG DWN, RACK OUT EQUIP.

JTS ON LOC 327  
JTS IN WELL 303  
JTS ON TRAILER 24

10/3/2008      SUPERVISOR: DJ SMUIN

7:00 -      33      A

7 AM FLBK REPORT: CP 1875#, TP 1875#, 16/64" CK, 60 BWPH, TRACE SAND, - GAS  
TTL BBLs RECOVERED: 3907  
BBLs LEFT TO RECOVER: 9541

10/4/2008      SUPERVISOR: DJ SMUIN

7:00 -      33      A

7 AM FLBK REPORT: CP 1750#, TP 1850#, 16/64" CK, 55 BWPH, TRACE SAND, - GAS  
TTL BBLs RECOVERED: 5292  
BBLs LEFT TO RECOVER: 8156

10/5/2008      SUPERVISOR: DJ SMUIN

Wins No.: 94952		NBU 921-14D		API No.: 4304739247
7:00	-	33	A	7 AM FLBK REPORT: CP 2650#, TP 2175#, 16/64" CK, 40 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6421 BBLS LEFT TO RECOVER: 7027
9:30	-			PROD WELL TURNED TO SALES @ 0930 HR ON 10/5/2008 - FTP 1900#, CP 1850#, CK 18/64", 700 MCFD, 1128 BWPD
10/6/2008	SUPERVISOR: DJ SMUIN			
7:00	-	33	A	7 AM FLBK REPORT: CP 3500#, TP 2300#, 16/64" CK, 32 BWPH, L TRACE SAND, - GAS TTL BBLS RECOVERED: 7279 BBLS LEFT TO RECOVER: 6169

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

5. Lease Serial No.

UTU-01193

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. Unit or CA Agreement Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 921-14D

9. API Well No.

4304739247

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Block and  
Survey or Area SEC. 14, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

2. Name of Operator

KERR-MCGEE OIL &amp; GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

NW/NW 464'FNL, 442'FWL

At top prod. interval reported below

At total depth

14. Date Spudded

07/17/08

15. Date T.D. Reached

08/30/08

16. Date Completed

☐ D & A ☒ Ready to Prod.

10/05/08

17. Elevations (DF, RKB, RT, GL)\*

4746'GL

18. Total Depth: MD 10.040'  
TVD19. Plug Back T.D.: MD 9994'  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit copy)Was DST run? ☒ No ☐ Yes (Submit copy)Directional Survey? ☒ No ☐ Yes (Submit copy)**CBL-CCL-GR**

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2760'		685 SX			
7 7/8"	4 1/2"	11.6#		10,040'		1652 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9623'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	9020'	9872'	9020'-9872'	0.36	200	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
9020'-9872'	PMP 13,448 BBLs SLICK H2O & 500,849# 40/70 MESH SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/05/08	10/12/08	24	→	0	2,000	960			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 2725# SI	Csg. Press. 3850#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64			→	0	2000	960			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

RECEIVED

NOV 04 2008

DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1680' 2522' 5099' 7939'	7939' 9939'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis   | 7. Other:     |                       |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGOTitle REGULATORY ANALYST

Signature

Date 10/29/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01193			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-14D			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0464 FNL 0442 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047392470000			
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/30/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: _____         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.					
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> <u>July 22, 2009</u> <b>By:</b> <u><i>Dan K. Quist</i></u>					
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/22/2009				

**RECEIVED** July 22, 2009



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047392470000**

**In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch and Mesaverde formations is allowed.**

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** July 22, 2009  
**By:** Dan K. Quist

**Name:** NBU 921-14D  
**Location:** NWNW Sec. 14 9S 21E  
**Uintah County, UT**  
**Date:** 7/13/09

**ELEVATIONS:** 4746 GL 4765 KB

**TOTAL DEPTH:** 10047 **PBTD:** 9994  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2700'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 10037'  
Marker Joint **5125-5145'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1680' Green River  
2012' Birds Nest  
2522' Mahogany  
5099' Wasatch  
7939' Mesaverde

CBL indicates good cement below N/A TOC @ 2760'

**GENERAL:**

- A minimum of **19** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 9/14/08
- **6** fracturing stages required for coverage.
- Procedure calls for **7** CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above).
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**

- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9623'
- Originally completed on 9/30/2008

#### Existing Perforations:

<b>PERFORATIONS</b>						
<b>Formation</b>	<b>Zone</b>	<b>Top</b>	<b>Btm</b>	<b>spf</b>	<b>Shots</b>	<b>Date</b>
MESA VERDE		9020	9022	4	8	09/30/2008
MESA VERDE		9060	9062	4	8	09/30/2008
MESA VERDE		9142	9148	4	24	09/30/2008
MESA VERDE		9288	9294	4	24	09/30/2008
MESA VERDE		9364	9368	4	16	09/30/2008
MESA VERDE		9436	9440	4	16	09/30/2008
MESA VERDE		9464	9466	4	8	09/30/2008
MESA VERDE		9492	9494	4	8	09/30/2008
MESA VERDE		9544	9546	4	8	09/30/2008
MESA VERDE		9642	9646	4	16	09/30/2008
MESA VERDE		9668	9674	4	24	09/30/2008
MESA VERDE		9824	9828	4	16	09/30/2008
MESA VERDE		9866	9872	4	24	09/30/2008

#### PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9623'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 9014' (50' below proposed CBP). Otherwise P/U a mill and C/O to 9014' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 8964'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8770	8774	4	16
MESAVERDE	8865	8867	4	8
MESAVERDE	8930	8934	4	16
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8770' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~8640'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8512	8516	4	16
MESAVERDE	8604	8610	4	24

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8512' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~8398'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8240	8242	4	8
MESAVERDE	8282	8284	4	8
MESAVERDE	8324	8326	4	8
MESAVERDE	8364	8368	4	16

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~8240' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~8126'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7890	7892	4	8
MESAVERDE	7978	7982	4	16
MESAVERDE	8042	8044	4	8
MESAVERDE	8094	8096	4	8

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7890' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7724'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7496	7500	4	16
WASATCH	7582	7586	4	16
WASATCH	7692	7694	4	8

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7496' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6186'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5996	6000	4	16
WASATCH	6150	6156	4	24

16. Breakdown perfs and establish injection rate. **Measure ISIP and contact Vernal or Denver Engineering if pressure seems low before proceeding.** Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5996' and flush only with recycled water.

17. Set 8000 psi CBP at ~5946'.



18. TIH with 3 7/8" mill, pump off sub, SN and tubing.
19. Mill ALL plugs and clean out to PBTD at 9994. Land tubing at  $\pm 9623'$  pump off bit and bit sub. This well WILL be commingled at this time.
20. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
21. RDMO

**For design questions, please call  
Conner Staley, Denver, CO  
(720)-929-6419 (Office)**

**For field implementation questions, please call  
Robert Miller, Vernal, UT  
4350781 7041 (Office)**

NOTES:

ISIP for stage 6 will determine whether or not we decide to frac this stage. Please contact Denver for guidance if ISIP is low.

**Slickwater Frac**

Recomplete?	Y
End?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

**RECEIVED**  
July 22, 2009

Name NBU 921-14D  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8770	8774	4	16	8751.5	to	8754
	MESAVERDE	8865	8867	4	8	8756	to	8762
	MESAVERDE	8930	8934	4	16	8768.5	to	8778
	MESAVERDE		No perfs			8787.5	to	8799.5
	MESAVERDE		No perfs			8812	to	8815.5
	MESAVERDE		No perfs			8821	to	8821
	MESAVERDE		No perfs			8840	to	8840
	MESAVERDE		No perfs			8841.5	to	8875.5
	MESAVERDE		No perfs			8888	to	8889
	MESAVERDE		No perfs			8893	to	8977
# of Perfs/stage					40	CBP DEPTH	8,640	
2	MESAVERDE	8512	8516	4	16	8491.5	to	8493
	MESAVERDE	8604	8610	4	24	8509	to	8523.5
	MESAVERDE		No perfs			8570.5	to	8572
	MESAVERDE		No perfs			8588	to	8590
	MESAVERDE		No perfs			8598.5	to	8612
	MESAVERDE		No perfs			8613.5	to	8615
	MESAVERDE		No perfs			8624	to	8626
	# of Perfs/stage				40	CBP DEPTH	8,398	
3	MESAVERDE	8240	8242	4	8	8228	to	8232
	MESAVERDE	8282	8284	4	8	8237	to	8247.5
	MESAVERDE	8324	8326	4	8	8249	to	8249
	MESAVERDE	8364	8368	4	16	8251.5	to	8255.5
	MESAVERDE		No perfs			8268.5	to	8272.5
	MESAVERDE		No perfs			8276	to	8286.5
	MESAVERDE		No perfs			8293	to	8295
	MESAVERDE		No perfs			8302	to	8303
	MESAVERDE		No perfs			8309.5	to	8310.5
	MESAVERDE		No perfs			8314	to	8329
	MESAVERDE		No perfs			8332.5	to	8336
	MESAVERDE		No perfs			8338.5	to	8345
	MESAVERDE		No perfs			8353.5	to	8379.5
	# of Perfs/stage				40	CBP DEPTH	8,126	
4	WASATCH	7890	7892	4	8	7881.5	to	7894.5
	MESAVERDE	7978	7982	4	16	7897.5	to	7897.5
	MESAVERDE	8042	8044	4	8	7915.5	to	7916
	MESAVERDE	8094	8096	4	8	7938.5	to	7939
	MESAVERDE		No perfs			7939	to	7966
	MESAVERDE		No perfs			7969	to	8010.5
	MESAVERDE		No perfs			8026	to	8045.5
	MESAVERDE		No perfs			8055	to	8056.5
	MESAVERDE		No perfs			8066.5	to	8067
	MESAVERDE		No perfs			8082	to	8093.5
	MESAVERDE		No perfs			8084.5	to	8101.5
	# of Perfs/stage				40	CBP DEPTH	7,724	
5	WASATCH	7496	7500	4	16	7489	to	7511.5
	WASATCH	7582	7586	4	16	7525.5	to	7528.5
	WASATCH	7692	7694	4	8	7535.5	to	7537
	WASATCH		No perfs			7556	to	7559.5
	WASATCH		No perfs			7577.5	to	7579
	WASATCH		No perfs			7580	to	7588.5
	WASATCH		No perfs			7651.5	to	7654.5
	WASATCH		No perfs			7666	to	7667
	WASATCH		No perfs			7686.5	to	7697.5
	# of Perfs/stage				40	CBP DEPTH	5,186	
6	WASATCH	5996	6000	4	16	5981.5	to	5983
	WASATCH		No perfs			5989	to	6003.5
	WASATCH	6150	6156	4	24	6006.5	to	6008.5
	WASATCH		No perfs			6029.5	to	6035
	WASATCH		No perfs			6040.5	to	6041.5
	WASATCH		No perfs			6062	to	6062
	WASATCH		No perfs			6081.5	to	6082
	WASATCH		No perfs			6085.5	to	6116
	WASATCH		No perfs			6138.5	to	6139
	WASATCH		No perfs			6140	to	6160.5
# of Perfs/stage					40	CBP DEPTH	5,946	



[illegible]

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01193
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-14D
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0464 FNL 0442 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047392470000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 8/7/2009	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER:	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> OTHER:	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE NEWLY WASATCH AND MESAVERDE FORMATIONS, AND HAS COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS PLACED THE SUBJECT LOCATION ON PRODUCTION ON 08/07/2009 AT 9:00 AM PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock		<b>PHONE NUMBER</b> 435 781-7024
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst
<b>DATE</b> 8/11/2009		<b>FOR RECORD ONLY</b> August 12, 2009

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 921-14D		Spud Conductor: 7/17/2008		Spud Date: 7/24/2008	
Project: UTAH-UINTAH		Site: NBU 921-14D			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 7/30/2009		End Date: 8/5/2009	
Active Datum: RKB @4,764.01ft (above Mean Sea Level)			UWI: NBU 921-14D		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/30/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. TRIPPING PIPE
	7:30 - 15:30	8.00	COMP	31	I	P		FCP & TP 200 PSI. PUMP 20 BBLS 2% KCL DOWN CASING & 20 BBLS DOWN TUBING. WELL DEAD. POOH W/ 303 JTS OF 2 3/8" L-80 TBG. LD 29 JTS THAT WOULD NOT DRIFT. SCALE A PEARLS TO BE BARIUM. SWI SDFN
7/31/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. WIRE LINE WORK & PRESSURE TESTING
	7:30 - 15:00	7.50	COMP	34	I	P		SICP 250 PSI. BLOW WELL DOWN. PUMP 40 BBLS DOWN CASING WELL DEAD. ND BOP NU FRAC VALVES. MIRU SCHLUMBERGER. PU 4 1/2" 10K CBP. RIH SET CBP @ 8,964'. POOH W/ WIRE LINE. MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 6,000 PSI. GOOD TEST. RDMO B&C QUICK TEST. PU 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH PERFORATE 8,930' - 34' 4SPF, 8.865' - 67' 4SPF, 8,770' - 74' 4SPF, 40 HOLES. POOH W/ WIRE LINE. SWI SDFWE. PREPED TO FRAC ON MONDAY MORNING. ALL WATER WAS TESTED GOOD.
8/3/2009	7:00 - 7:30	0.50	COMP	48		P		HAM, FRACING W/ FRAC TEC
	7:30 - 8:29	0.98	COMP	36	E	P		MIRU FRAC TEC TEST PUMP AND LINES TO 7500 PSI. ( STG 1 ) WHP 761 PSI, BRK 2700 PSI, @ 6 BPM, ISIP 2848 PSI, FG .77 PUMP 100 BBLS, @ 49.9 BPM @ 5367 PSI, = 73% HOLES OPEN. MP 5748 PSI, MR 57.2 BPM, AP 4842 PSI, 50.1 BPM, ISIP 2854 PSI, FG .77 NPI 6 PSI, PMPED 2673 BBLS SW, 90.163 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 95,163 LBS.
	8:29 - 11:19	2.83	COMP	36	E	P		( STD 2 ) PU 41/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K HAL CBP @ 8640'. PERF MV 8512'-8516' 4 SPF, 8604'-8610' 4 SPF 40 HOLES. (11/2 HRS ) WHP 1092 PSI, BRK 5651 PSI, @ 6.7 BPM, ISIP 2843 PSI, FG .78 PUMP 100 BBLS, @ 43.1 BPM @ 4772 PSI, = 75% HOLES OPEN. MP 5650 PSI, MR 51.8 BPM, AP 4841 PSI, 47.6 BPM, ISIP 2950 PSI, FG .79 NPI 107 PSI, PMPED 829 BBLS SW, 16,167 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 21,167 LBS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-14D		Spud Conductor: 7/17/2008		Spud Date: 7/24/2008	
Project: UTAH-UINTAH		Site: NBU 921-14D			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 7/30/2009		End Date: 8/5/2009	
Active Datum: RKB @4,764.01ft (above Mean Sea Level)			UWI: NBU 921-14D		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:19 - 12:44	1.42	COMP	36	E	P		( STD 3 ) PU 41/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K HAL CBP @ 8404'. PERF MV 8240'-42' 4 SPF, 8282'-84' 4 SPF, 8324'-26' 4 SPF, 8364'-68' 4 SPF, 40 HOLES. ( 53 MIN ) WHP 1323 PSI, BRK 3550 PSI, @ 7.8 BPM, ISIP 2357 PSI, FG .73 PUMP 100 BBLS, @ 46.8 BPM @ 4428 PSI, = 85% HOLES OPEN. MP 4933 PSI, MR 49.7 BPM, AP 4239 PSI, 49.0 BPM, ISIP 2368 PSI, FG .73 NPI 11 PSI, PMPED 787 BBLS SW, 21,895 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 26,895 LBS.
	12:44 - 14:34	1.83	COMP	36	E	P		( STD 4 ) PU 41/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K HAL CBP @ 8126'. PERF MV 7890'-92' 4 SPF, 7978'-82' 4SPF, 8042'-44' 4SPF, 8094'-96' 4 SPF. 40 HOLES.( 50 MIN ) WHP 457 PSI, BRK 4945 PSI, @ 7.8 BPM, ISIP 3010 PSI, FG .82 PUMP 100 BBLS, @ 48.6 BPM @ 5509 PSI, = 72% HOLES OPEN. MP 5769 PSI, MR 52.6 BPM, AP 3962 PSI, 48.9 BPM, ISIP 2279 PSI, FG .73 NPI -731 PSI, PMPED 1894 BBLS SW, 81,049 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 86,049 LBS.
	14:34 - 15:51	1.28	COMP	36	E	P		( STD 5 ) PU 41/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K HAL CBP @ 7724'. PERF W 7596'-7500' 4SPF, 7582'-86' 4SPF, 7692'-94' 4SPF. 40 HOLES. ( 58 MIN ) WHP 243 PSI, BRK 4867 PSI, @ 7.9 BPM, ISIP 2060 PSI, FG .72 PUMP 100 BBLS, @ 50.3 BPM @ 4381 PSI, = 80% HOLES OPEN. MP 5135 PSI, MR 51.2 BPM, AP 4143 PSI, 50.6 BPM, ISIP 2268 PSI, FG .74 NPI 208 PSI, PMPED 681 BBLS SW, 21,627 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 26,627 LBS.
	15:51 - 18:30	2.65	COMP	36	E	P		( STD 6 ) PU 41/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K HAL CBP @ 6186'. PERF W 5996'-6000' 4SPF, 6150'-6156' 4SPF. 40 HOLES ( 45 MIN ) WHP 65 PSI, BRK 2772 PSI, @ 8.2 BPM, ISIP 712 PSI, FG .56 CALLED CONNER STANLEY AS OF PROCEDURE, DECIDED NOT TO FRAC THIS ZONE, ISIP TO LOW. ( KILL PLUG ) PU 41/2 HAL CBP RIH SET @ 5940', POOH RD SCHLUMBERGER AND FRAC TEC.SWI SDFN.
8/4/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, TRIPPING TBG AND DRILLING PLUGS, WATCHING PRESURE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-14D		Spud Conductor: 7/17/2008		Spud Date: 7/24/2008	
Project: UTAH-UINTAH		Site: NBU 921-14D			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 7/30/2009		End Date: 8/5/2009	
Active Datum: RKB @4,764.01ft (above Mean Sea Level)			UWI: NBU 921-14D		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	COMP	31	I	P		SICP 0 PSI, ND FRAC VALVE NU BOPS, RU FLOOR, RIH W/ 37/8 BIT, POBS, 1.875 X/N AND 188 JTS 23/8 L-80 TBG. TAG UP @ 5940'. BREAK CONVENTIONAL.  C/O 0' SAND TAG 1ST PLUG @ 5940', DRL PLUG IN 10 MINS 0 PSI INCREASE, RIH  C/O 2' SAND TAG 2ND PLUG @ 6186', DRL PLUG IN 10 MINS 300 PSI INCREASE, RIH  C/O 20 ' SAND TAG 3RD PLUG @ 7730', DRL PLUG IN 10 MINS 200 PSI INCREASE, RIH  C/O 30 ' SAND TAG 4TH PLUG @ 8126', DRL PLUG IN 10 MINS 200 PSI INCREASE, RIH  C/O 30 ' SAND TAG 5TH PLUG @ 8398 ', DRL PLUG IN 13 MINS 200 PSI INCREASE, RIH  C/O 30 ' SAND TAG 6TH PLUG @ 8640', DRL PLUG IN 15 MINS 0 PSI INCREASE, RIH  C/O 0' SAND TAG 7TH PLUG @ 8964', CIRC WELL FOR 1/2 HR, POOH EOT @ 5940' SWI SDFN.
8/5/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, CHECKING WELL PRESSURE, C/O TO PBTD. WORKING W/ FOAM UNIT.
	7:30 - 17:00	9.50	COMP	31	I	P		SICP 1600 PSI, OPEN WELL TO FB TNK, RIH TAG UP @ 8944' C/O 20' SAND TAG PLUG @ 8964' DRL PLUG IN 13 MIN, 0 PSI INCREASE RIH TAG UP @ 9889' C/O TO 9994 PBTD, CIRC WELL CLEAN. L/D 17 JTS TBG LAND TBG W/ 303 JTS 23/8 L-80. ND BOPS NU WH.DROP BALL PUMP OFF BIT W/ 40 BBLS WTR. LET SET FOR 1/2 HR FOR BIT TO FALL. HAD TO FOAM WELL AROUND. TURN WELL OVER TO FLOW BACK CREW. RDMOL, MIRU ON NBU 1022-17L.  KB 19' 41/2 HANGER= .83' 303 JTS 23/8 L-80= 9592.98', TOP 29 ARE USED YELLOW BAND. POBS= 2.20' EOT @ 9615.01' 1.875 X/N @ 9612.81'  TWTR= 7779 BBLS TWR= 2080 BBLS TWTR= 5699 BBLS
8/6/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2150#, TP 1000#, 20/64" CK, 45 BWPH, HEAVY SAND, LIGHT GAS TTL BBLS RECOVERED: 2665 BBLS LEFT TO RECOVER: 5114
8/7/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2150#, TP 1100#, 20/64" CK, 25 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3380 BBLS LEFT TO RECOVER: 4399
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 8/7/09 - FTP 293#, CP 198#, 890 MCFD, 25 BWPD, 20/64 CK

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 921-14D			Spud Conductor: 7/17/2008				Spud Date: 7/24/2008				
Project: UTAH-UINTAH			Site: NBU 921-14D					Rig Name No: MILES 2/2			
Event: RECOMPL/RESEREVEADD			Start Date: 7/30/2009					End Date: 8/5/2009			
Active Datum: RKB @4,764.01ft (above Mean Sea Level)				UWI: NBU 921-14D							
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation			
8/8/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1950#, TP 1075#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3925 BBLS LEFT TO RECOVER: 3854			
8/9/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1800#, TP 1000#, 20/64" CK, 18 BWPH, trace SAND, - GAS TTL BBLS RECOVERED: 4395 BBLS LEFT TO RECOVER: 3384			